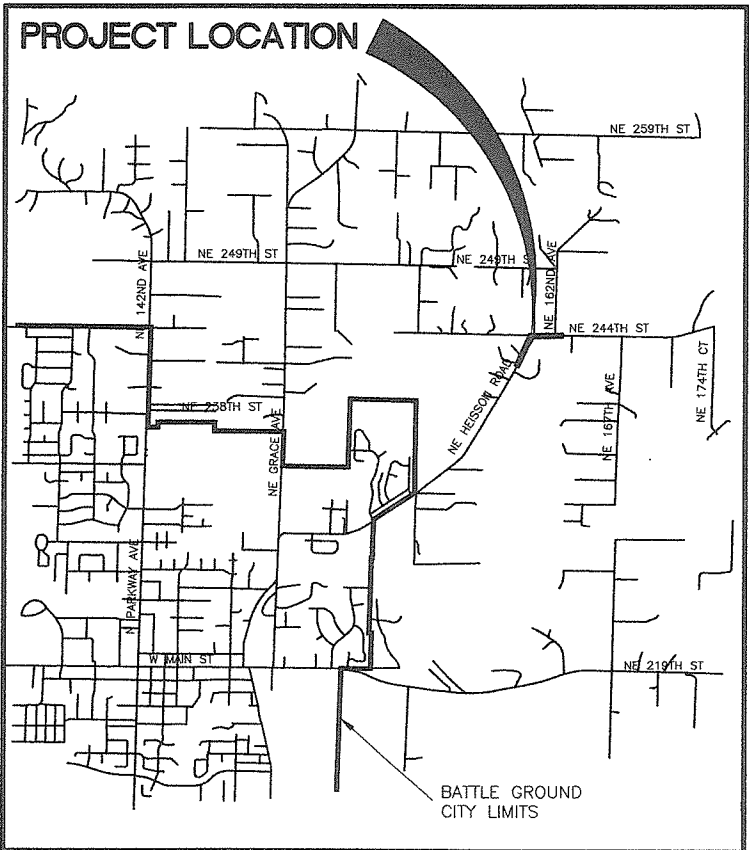
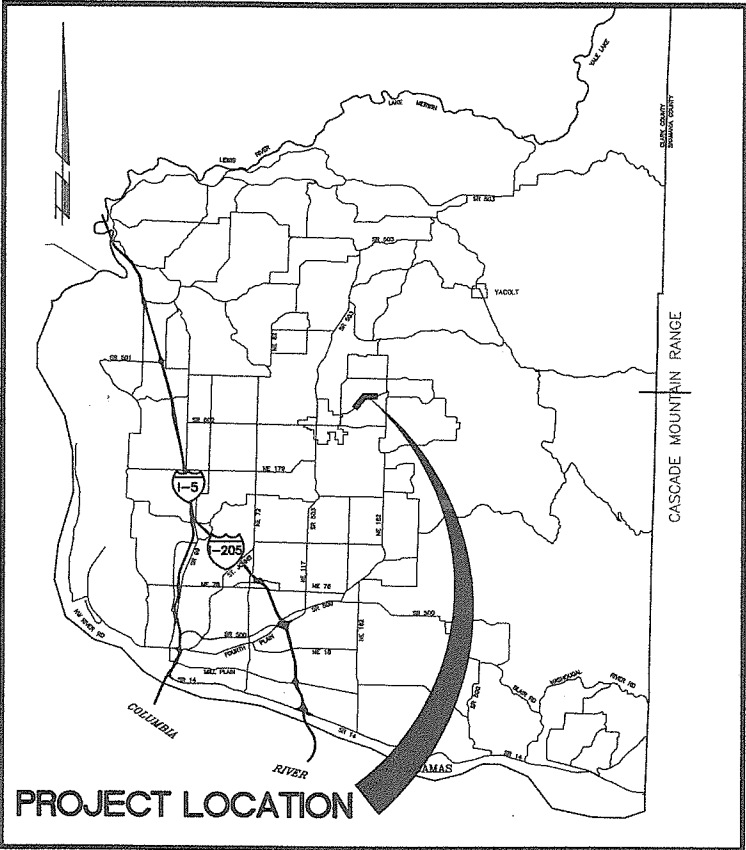


CAPITAL IMPROVEMENTS PROGRAM  
COUNTY ROAD PROJECT # 330722

NE HEISSON ROAD  
AND NE 244TH STREET INTERSECTION

PLANS FOR THE CONSTRUCTION OF  
ROADWAY AND STORM DRAINAGE



INDEX OF SHEETS

- 1 COV COVER SHEET
- 2 LGN1 LEGENDS AND GENERAL NOTES
- 3 TS1 TYPICAL SECTIONS
- 4 TS2 TYPICAL SECTIONS
- 5 HV1 HORIZONTAL AND VERTICAL CONTROL
- 6 EC1 EROSION CONTROL AND ROADWAY REMOVAL
- 7 EC2 EROSION CONTROL DETAILS
- 8 RD1 ROADWAY DETAILS
- 9 DD1 DRAINAGE DETAILS
- 10 DD2 DRAINAGE DETAILS
- 11 W01 WALL AND WALL DETAILS
- 12 PP1 PLAN AND PROFILE (B.O.P. TO STA 13+00)
- 13 PP2 PLAN AND PROFILE (STA 13+00 TO STA 17+00)
- 14 PP3 PLAN AND PROFILE (STA 17+00 TO E.O.P.)
- 15 PP4 PLAN AND PROFILE (NE 244TH STREET)
- 16 PP5 PLAN AND PROFILE (NE 162ND AVE)
- 17 PP6 PLAN AND PROFILE (HEISSON/NE 244TH TURNOFF)
- 18 SS1 SIGNING & STRIPING

COMMISSIONERS:

MARC BOLDT, Chair  
STEVE STUART, Commissioner  
BETTY SUE MORRIS, Commissioner



DEPARTMENT OF  
PUBLIC WORKS

ENGINEERING PROGRAM - DESIGN SECTION

Fed. Aid No.  
STPR-J065(001)



ENG #2006-00071

Quality Assurance	Project Manager	PW Director/ County Engineer
<i>Bruce Klug</i> 6-30-06 Bruce Klug, P.E.	<i>Don Andrews</i> 6/30/06 Don Andrews, P.L.S.	<i>Peter Capell</i> 6/30/06 Peter Capell, P.E.

CLARK COUNTY WASHINGTON  
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Recommended for Approval

Grading *W/CW* 6-15-06 Erosion *W/CW* 6-15-06

Storm Water Plan *W/CW* 6-15-06

*Richard J. [Signature]* 6/15/2006  
Development Review Manager Date

LEGEND

----	ROW LINE
=====	NEW EDGE OF PAVEMENT
=====	NEW CURB FACE LINE
=====	NEW CURB BACK LINE
-----	NEW SIDEWALK
- X - X - X - X - X - X - X - X - X -	NEW CENTER LINE
- - - - -	NEW FENCE LINE
=====	NEW STORM DRAIN OR CULVERT
. F . . . F . . . F . . . F . . . F . . . F . . . F . . . F . . .	NEW FILL LIMITS
- C - C - C - C - C - C - C - C - C -	NEW CUT LIMITS
-----	SAWCUT LINE
-----	PERMANENT SLOPE EASEMENT
- SF - SF - SF - SF - SF - SF - SF - SF - SF -	NEW SILT FENCE
-----	EXISTING EDGE OF PAVEMENT
-----	EXISTING CURB LINE
-----	EXISTING CENTER LINE
- X - X - X - X - X - X - X - X - X -	EXISTING FENCE LINE
----- T ----- T ----- T ----- T -----	EXISTING TELEPHONE LINE
----- W ----- W ----- W ----- W -----	EXISTING WATER LINE
----- E ----- E ----- E ----- E -----	EXISTING UNDERGROUND ELECTRIC
----- S ----- S ----- S ----- S -----	EXISTING SANITARY SEWER LINE
----- STM ----- STM ----- STM ----- STM -----	EXISTING STORM DRAINAGE
----- G ----- G ----- G ----- G -----	EXISTING GAS LINE
=====	EXISTING CULVERT
=====	EXISTING DITCH CENTER LINE
- - - - -	EXISTING GUARDRAIL

SYMBOLS


	NEW CATCH BASIN (CB)		EXISTING CURB INLET (CI)
	NEW MANHOLE (MH)		EXISTING CATCH BASIN (CB)
	NEW CURB INLET (CI)		EXISTING STORM MH
	NEW COMBINATION CURB INLET (CCI)		EXISTING MISC MH
	NEW MAIL BOX		EXISTING SHRUB
	NEW HANDICAP RAMP		EXISTING CONIFEROUS TREE
	CURVE TABLE		EXISTING DECIDUOUS TREE
	EXISTING TRANSFORMER		EXISTING SIGN
	EXISTING ELEC TOWER		EXISTING DECIDUOUS TREE
	EXISTING SANITARY SEWER MH		EXISTING J BOX
	EXISTING FIRE HYDRANT		EXISTING TELEPHONE MANHOLE
	EXISTING CLEAN OUT		EXISTING TELEPHONE POLE
	EXISTING GAS VALVE		EXISTING LIGHT
	EXISTING WATER METER		EXISTING GUY ANCHOR
	EXISTING WATER VALVE		EXISTING POWER POLE
	EXISTING SIGNAL POLE		EXISTING MAIL BOX
	EXISTING TELEPHONE VAULT		EXISTING TELEPHONE PEDESTAL
	EXISTING TELEVISION BOX		EXISTING SPRINKLER HEAD
	EXISTING WELL		TRAVERSE POINT
	EXISTING BRUSH LINE		TEST HOLE
	EXISTING HEDGE		

GENERAL NOTES

1. SURVEY DATUM PER CLARK COUNTY.
2. EXISTING UTILITIES SHOWN ON THE PLANS ARE PER SURFACE LOCATIONS, RECORD DRAWINGS, AND LIMITED POTHOLE DATA. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. IF CONFLICT EXISTS, NOTIFY THE ENGINEER AND UTILITY COMPANY. PROCEED ONLY AS DIRECTED AND PER STANDARD POLICY AND REGULATIONS (INCIDENTAL TO STORM SEWER PIPE).
3. ALL NECESSARY CONSTRUCTION SURVEY SHALL BE PROVIDED AT NO COST TO THE CONTRACTOR. HOWEVER, THE CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING NEEDED SURVEY STAKES DESTROYED THROUGH NORMAL OPERATIONS, NEGLIGENCE, OR INATTENTION.
4. AT THE END OF EACH DAY, THE CONTRACTOR SHALL CLEAN UP THE PROJECT AREA AND LEAVE IT IN A NEAT AND SECURED MANNER. UPON COMPLETION, THE CONTRACTOR SHALL LEAVE THE PROJECT AREA FREE OF DEBRIS AND UNUSED MATERIAL.
5. CONTRACTOR SHALL COORDINATE UTILITY RELOCATIONS WITH CLARK PUBLIC UTILITIES FOR POWER AND WATER, QWEST FOR TELEPHONE, NW NATURAL FOR GAS, COMCAST FOR CABLE TV.
6. CONTRACTOR SHALL PROTECT EXISTING WATER SERVICE LINES. ALL DISTURBED WATER SERVICE LINES SHALL BE REPAIRED AS DIRECTED. ALL RELOCATED METERS WILL BE RESET IN ACCORDANCE WITH CLARK PUBLIC UTILITIES STANDARDS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF EXISTING WATER SERVICE LINES DESTROYED THROUGH NEGLIGENCE AND/OR INATTENTION.
7. CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS FROM ALL PRIVATE PROPERTY DRIVEWAYS DURING CONSTRUCTION.

Fed. Aid No.


STPR-J065(001)



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NOTIFICATION CENTER

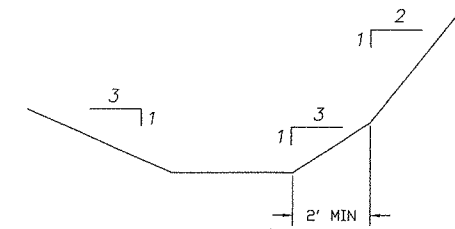
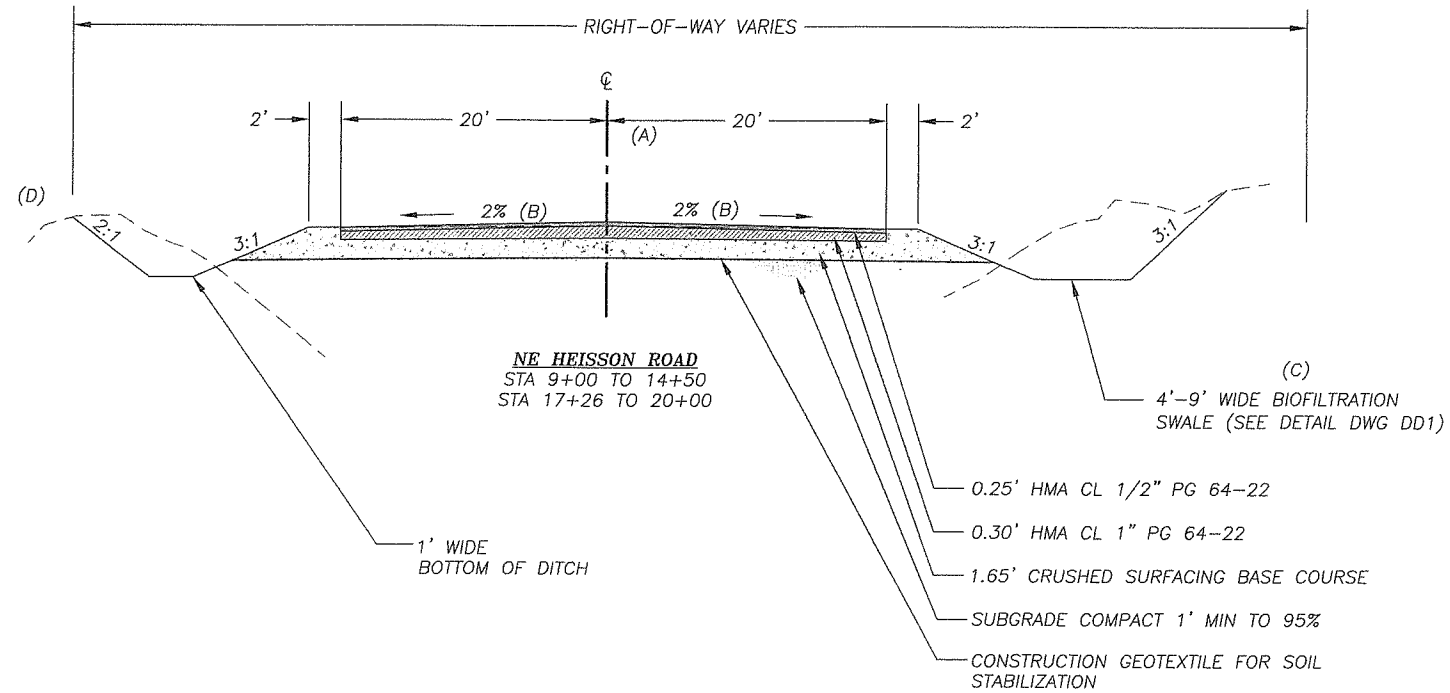
DESIGNED TP  
DRAWN RK  
CRP 330722  
HOR. SEE SHEET  
VERT. SEE SHEET  
DATE 06/12/06  
DWG: LGN1  
SHEET 2 OF 18

ENGINEERING PROGRAM  
DESIGN SECTION  
NE HEISSON ROAD  
LEGENDS AND GENERAL NOTES

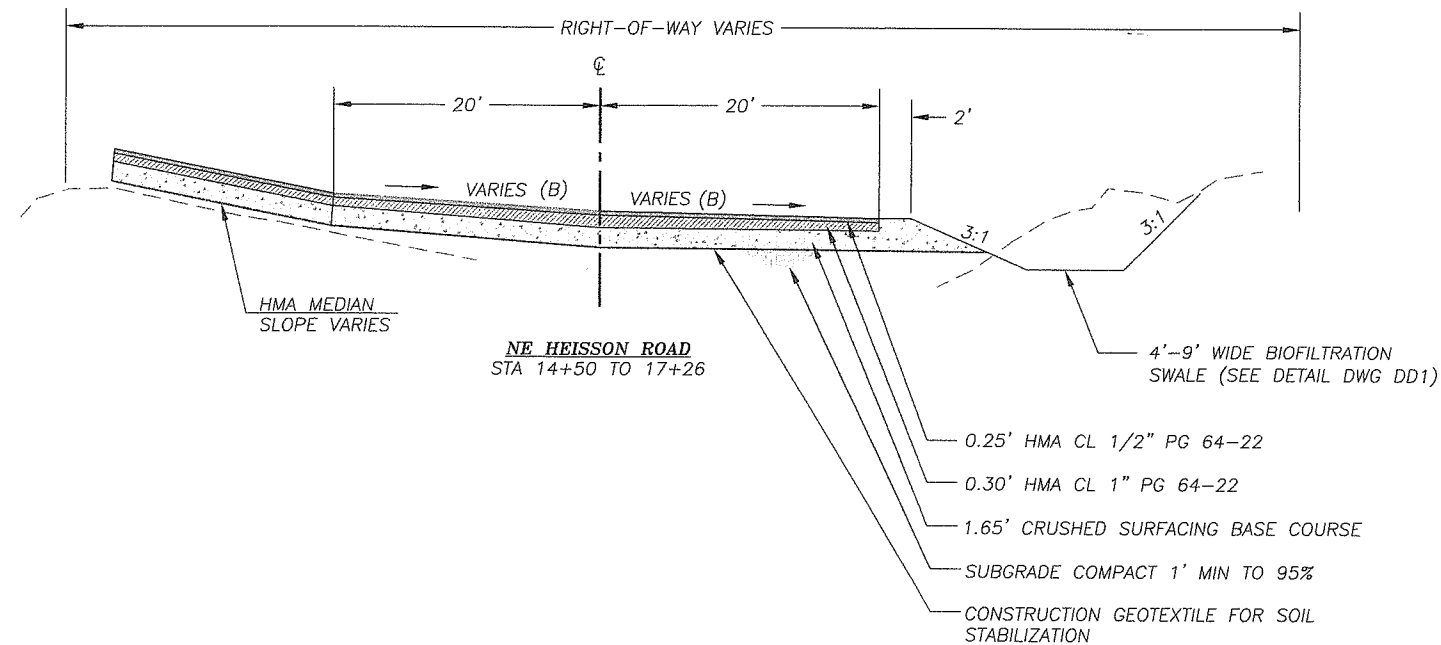


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SWALE SECTION  
STA 14+50 TO 18+00 (RT)



NOTES:

(A) LEFT: WIDEN FROM  $\pm 10.4'$  LT. AT  
STA 9+00 TO 20' LT. AT STA 10+18.

TAPER FROM 20' LT. AT  
STA 19+50 TO  $\pm 10.8'$  LT. AT STA  
20+00.

RIGHT: WIDEN FROM  $\pm 10.4'$  RT. AT  
STA 9+00 TO 20' RT. AT STA 9+40.

TAPER FROM 20' RT. AT  
STA 19+00 TO  $\pm 11.3'$  RT. AT  
STA 20+00.

(B) SLOPE VARIES. SEE SUPERELEVATION  
DIAGRAM ON DWGS PP1-PP3.

(C) SWALE (RT) ENDS WITH 2' WIDTH AT 18+00

(D) SLOPE OUT OF DITCH BECOMES 4:1 FROM  
STA 17+26 TO STA 18+00  
(SEE 244TH SECTION ON DWG TS2)

NOTE:

— DRIVEWAYS AND THE HMA MEDIAN SHALL BE  
CONSTRUCTED TO THE FOLLOWING  
SECTION:  
0.25' HMA CL 1/2" PG 64-22  
0.75' CRUSHED SURFACING BASE COURSE

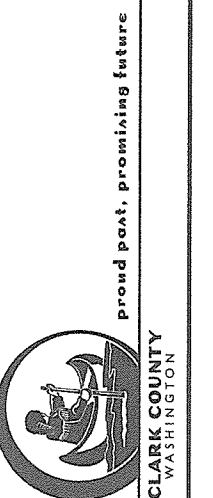
— ADD 3" MINIMUM TOPSOIL TYPE A TO ALL  
NEW CUT AND FILL SLOPES.

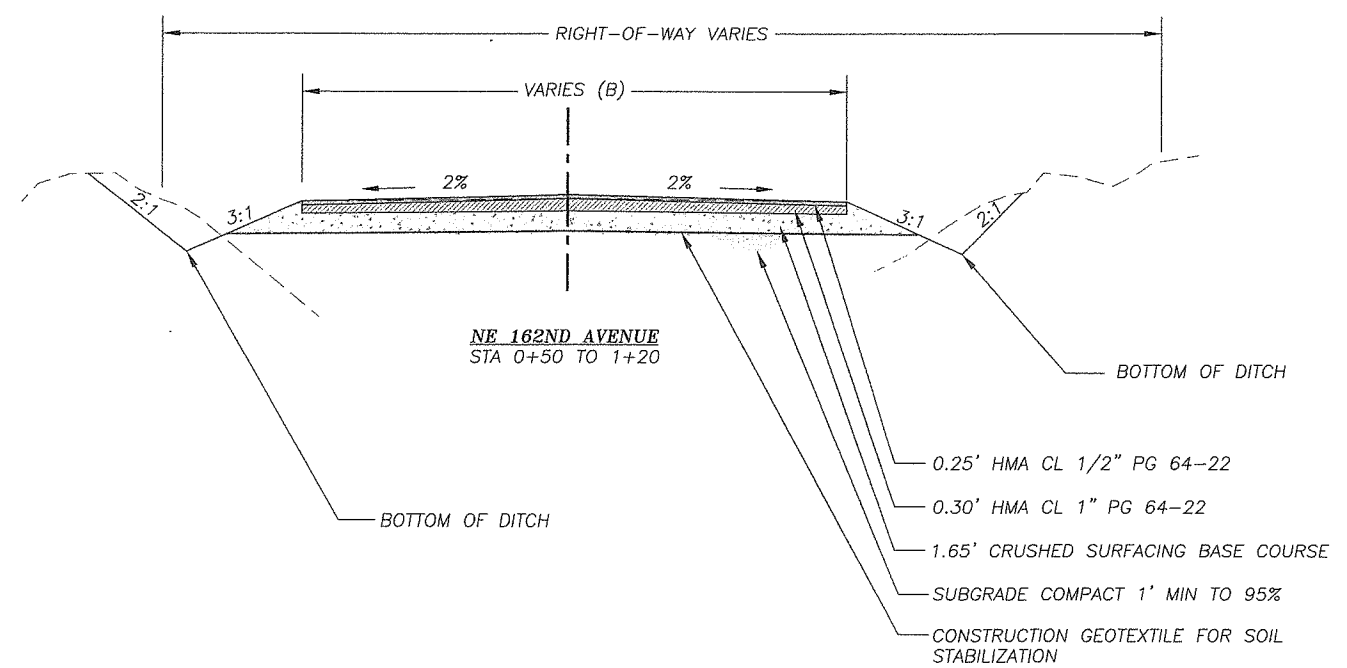
DESIGNED TP  
DRAWN RK  
CRP 330722  
HOR. SEE SHEET  
VERT. SEE SHEET  
DATE 06/12/06  
DWG: TS1  
SHEET 3 OF 18

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553-4344  
"It's the Low"

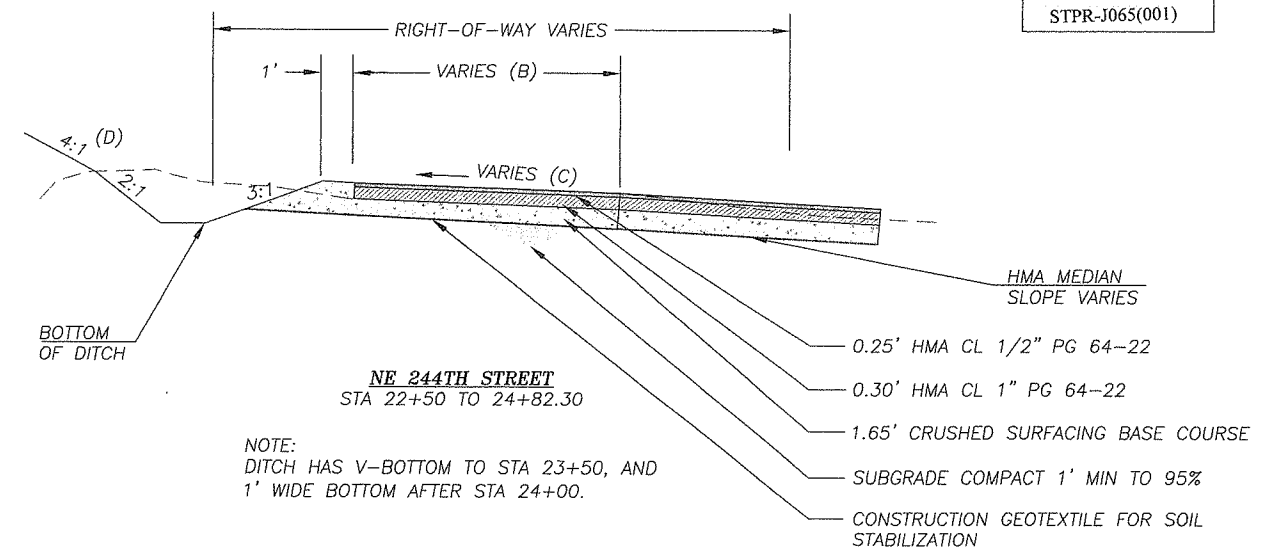
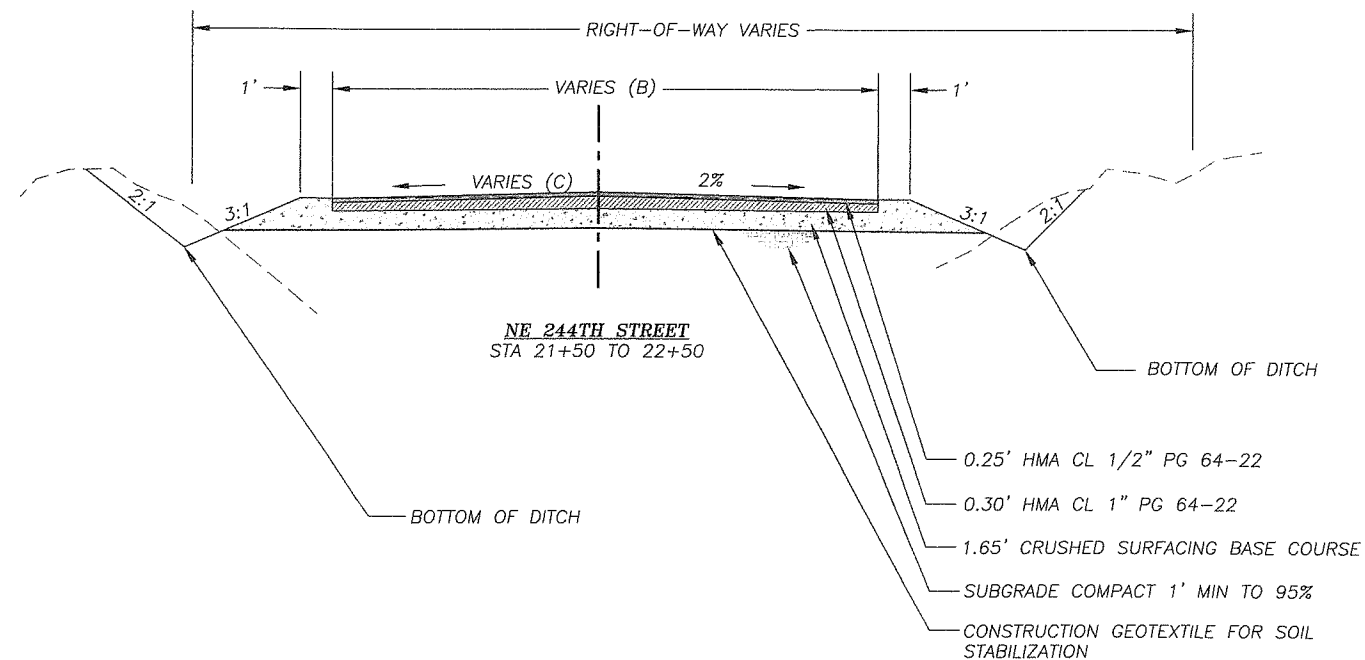


ENGINEERING PROGRAM  
DESIGN SECTION  
NE HEISSON ROAD  
TYPICAL SECTIONS





<u>SLOPE</u>		
<u>STA</u>	<u>LT</u>	<u>RT</u>
21+41	-1.297%	-4.47%
21+25	-2%	-2%
21+50	-2%	-2%



NOTE:

- DRIVEWAYS AND THE HMA MEDIAN SHALL BE CONSTRUCTED TO THE FOLLOWING SECTION:
  - 0.25' HMA CL 1/2" PG 64-22
  - 0.75' CRUSHED SURFACING BASE COURSE
- ADD 3" MINIMUM TOPSOIL TYPE A TO ALL NEW CUT AND FILL SLOPES.

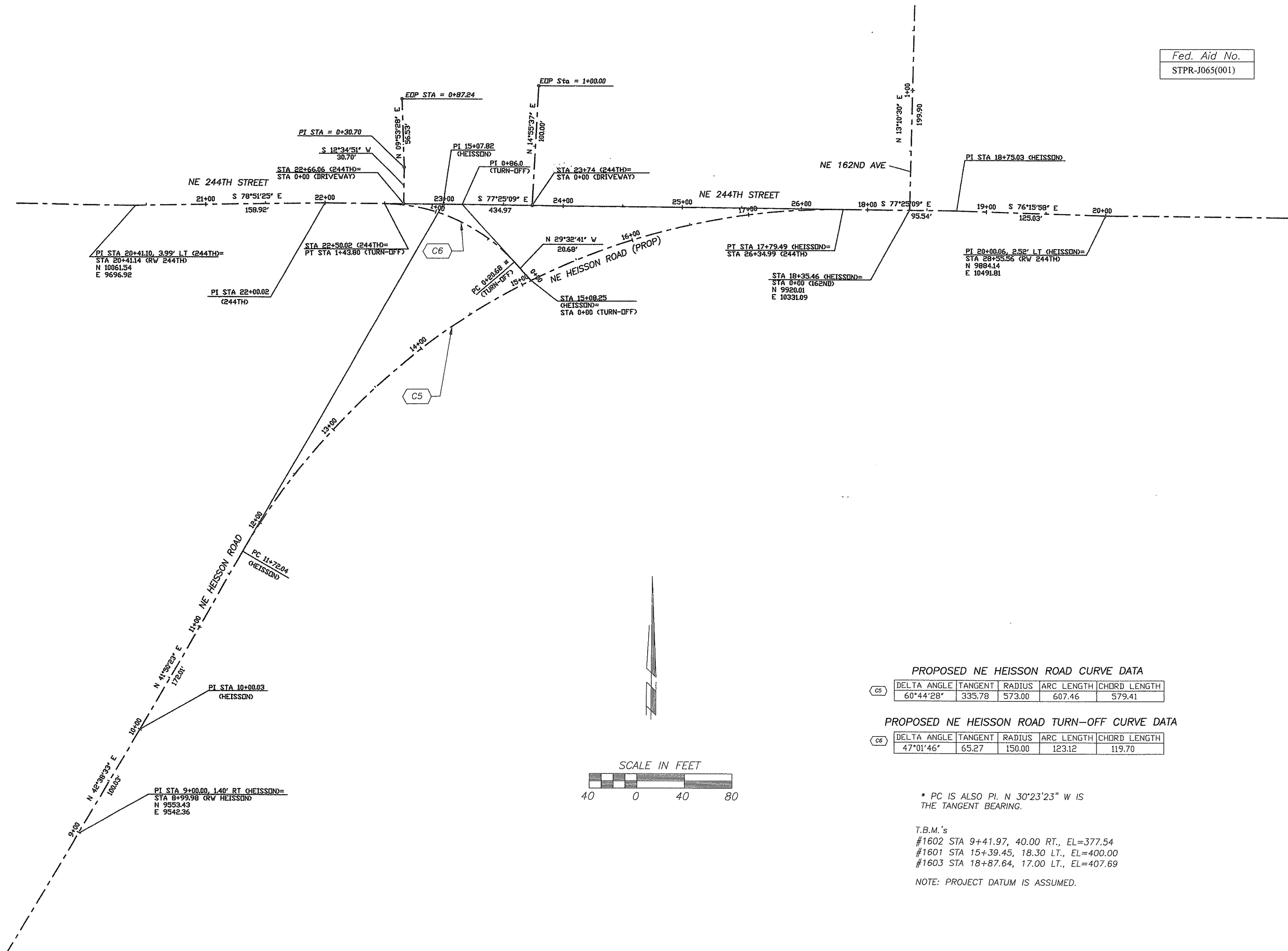
NOTES:

(A) CROSS SLOPE VARIES FROM STA 20+41 TO 21+25.

(B) ROADWAY WIDTHS AND TAPERS SHOWN ON DWGS PP1-PP5.

(C) SLOPE VARIES. SEE SUPERELEVATION DIAGRAM ON DWG PP4.

(D) 4:1 SLOPE BEGINS AT BACK OF EASEMENT SHOWN ON PP SHEETS



Fed. Aid No.  
STPR-J065(001)

PROPOSED NE HEISSON ROAD CURVE DATA

C5	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD LENGTH
	60°44'28"	335.78	573.00	607.46	579.41


PROPOSED NE HEISSON ROAD TURN-OFF CURVE DATA

C6	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD LENGTH
	47°01'46"	65.27	150.00	123.12	119.70

\* PC IS ALSO PI. N 30°23'23" W IS  
THE TANGENT BEARING.

T.B.M.'s  
#1602 STA 9+41.97, 40.00 RT., EL=377.54  
#1601 STA 15+39.45, 18.30 LT., EL=400.00  
#1603 STA 18+87.64, 17.00 LT., EL=407.69

NOTE: PROJECT DATUM IS ASSUMED.



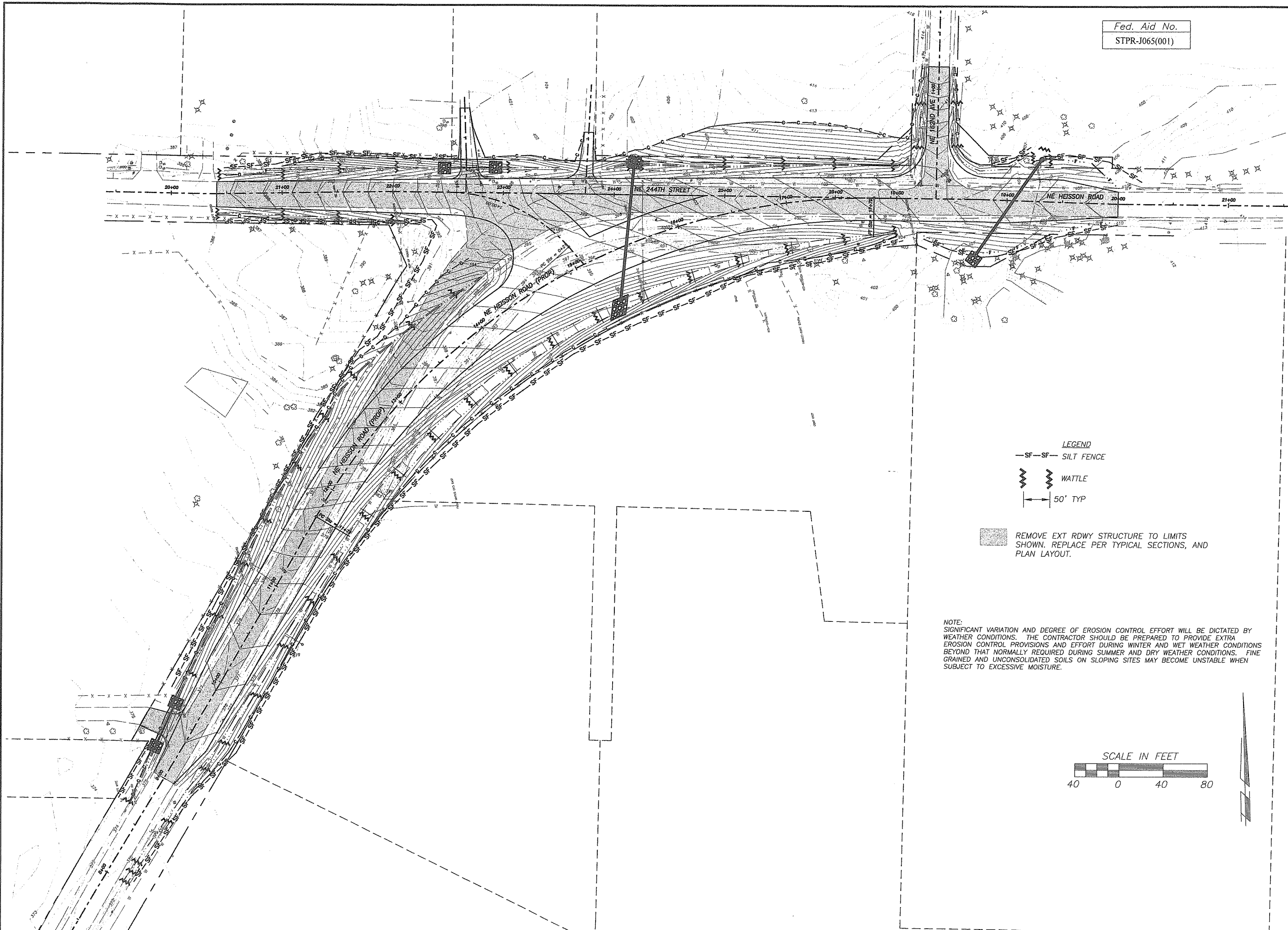
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WASHINGTON

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ENGINEERING PROGRAM  
DESIGN SECTION  
NE HEISSON ROAD  
HORIZONTAL AND VERTICAL CONTROL

DESIGNED TP  
DRAWN RK  
CRP 330722  
HOR. SEE SHEET  
VERT. SEE SHEET  
DATE 06/12/06  
DWG: HV1  
SHEET 5 OF 18

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NORTHWEST  
UTILITIES  
NOTIFICATION CENTER  
EXPIRES: JAN. 1, 2008



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LEGEND  
—SF—SF— SILT FENCE  
WATTLE  
50' TYP

REMOVE EXT RDWY STRUCTURE TO LIMITS SHOWN. REPLACE PER TYPICAL SECTIONS, AND PLAN LAYOUT.

NOTE:  
SIGNIFICANT VARIATION AND DEGREE OF EROSION CONTROL EFFORT WILL BE DICTATED BY WEATHER CONDITIONS. THE CONTRACTOR SHOULD BE PREPARED TO PROVIDE EXTRA EROSION CONTROL PROVISIONS AND EFFORT DURING WINTER AND WET WEATHER CONDITIONS BEYOND THAT NORMALLY REQUIRED DURING SUMMER AND DRY WEATHER CONDITIONS. FINE GRAINED AND UNCONSOLIDATED SOILS ON SLOPING SITES MAY BECOME UNSTABLE WHEN SUBJECT TO EXCESSIVE MOISTURE.

SCALE IN FEET  
40 0 40 80

DESIGNED	TP
DRAWN	RK
CRP	330722
HOR. SEE SHEET	
VERT. SEE SHEET	
DATE	06/12/06
DWG.	EC1
SHEET	6 OF 18

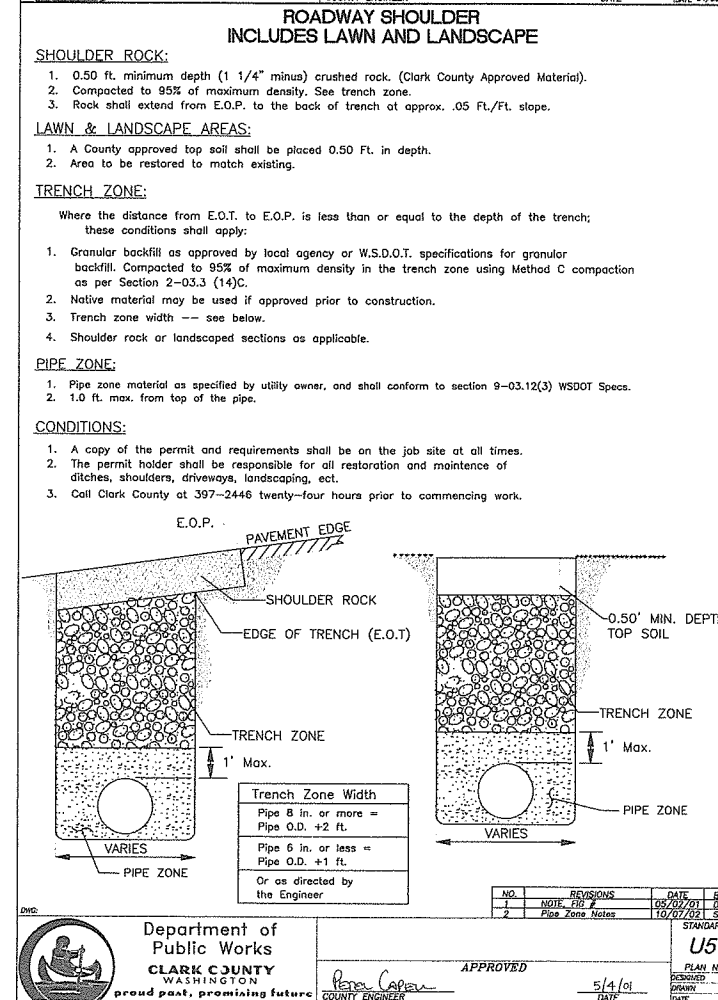
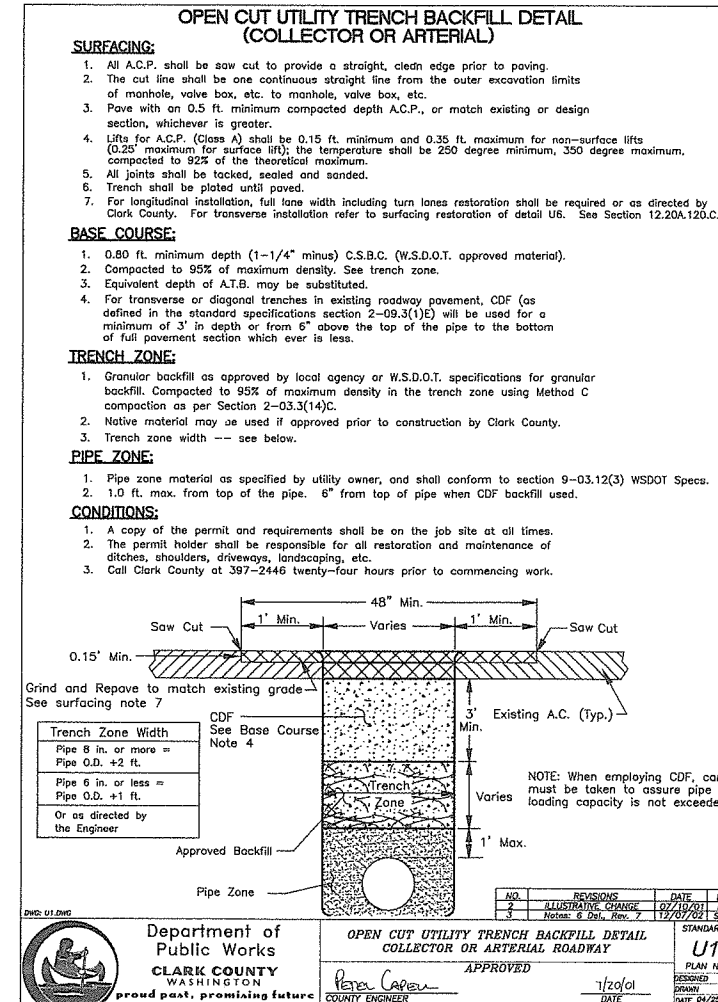
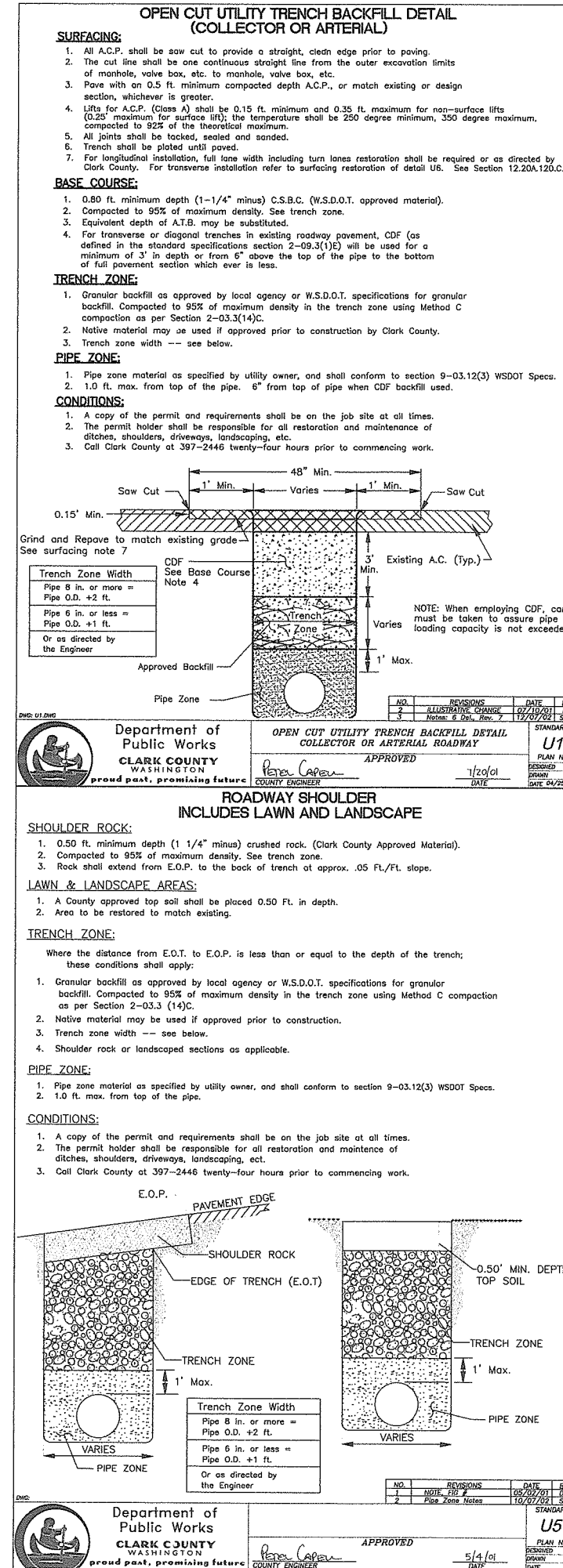
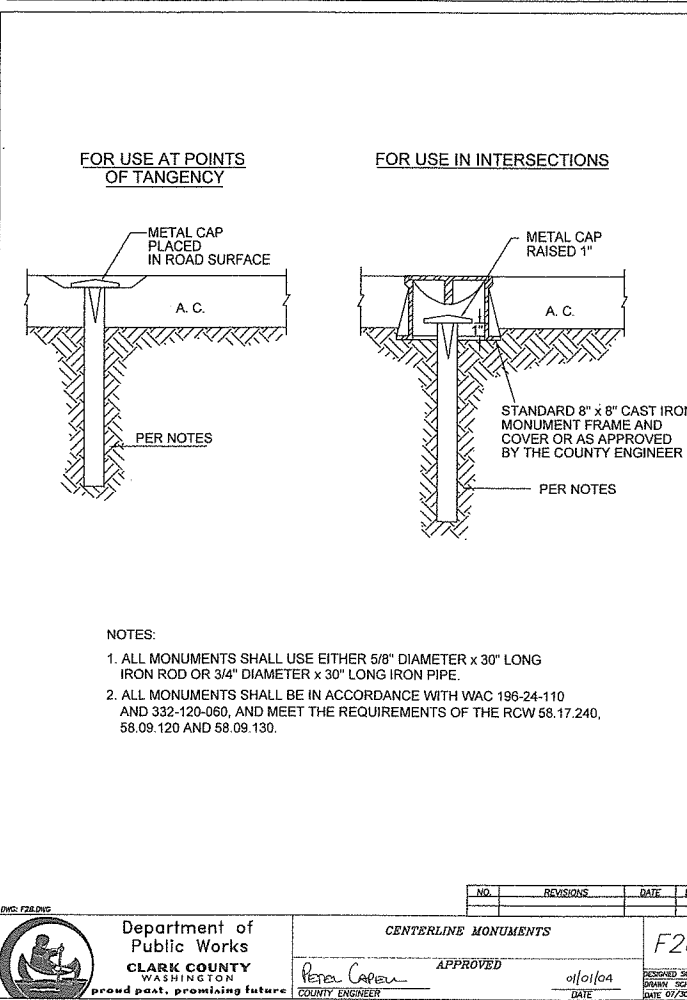
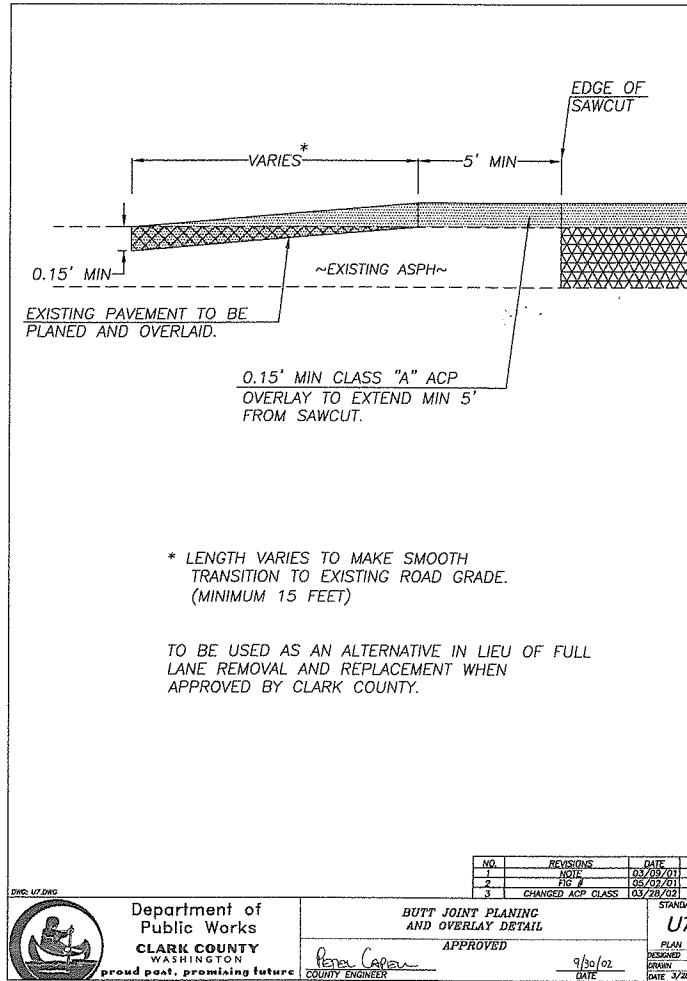
CALL 48 HOURS BEFORE YOU DIG  
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ENGINEERING PROGRAM  
DESIGN SECTION  
NE HEISSON ROAD  
EROSION CONTROL AND ROADWAY REMOVAL



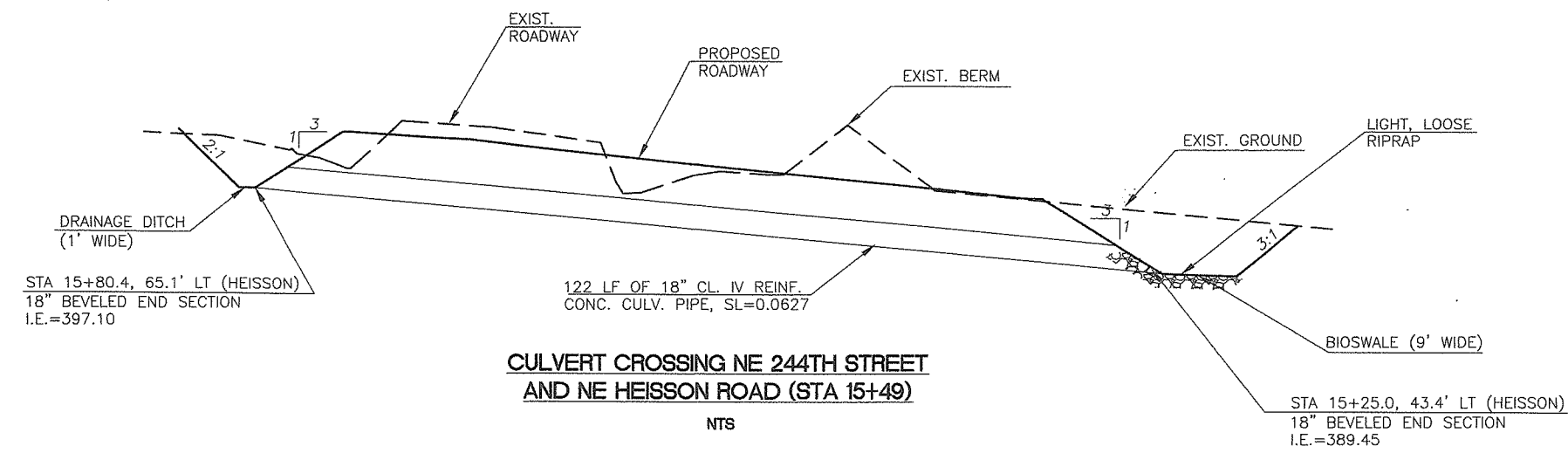




Fed. Aid No.  
STPR-J065(001)

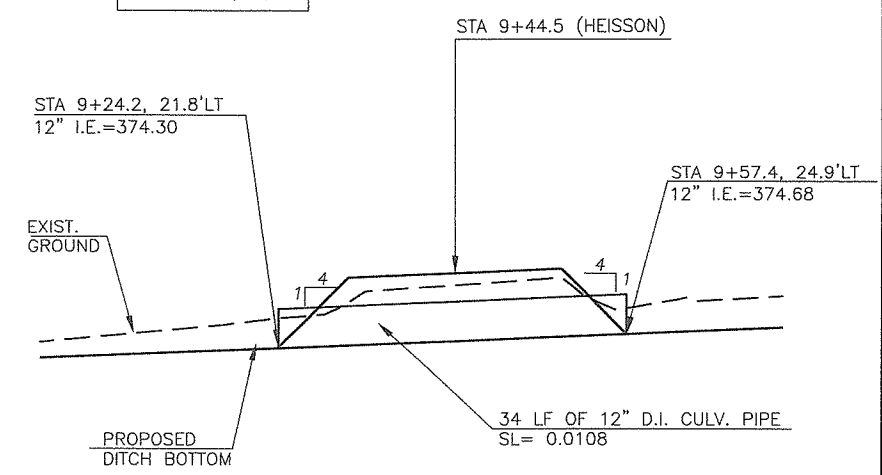


Fed. Aid No.  
STPR-J065(001)



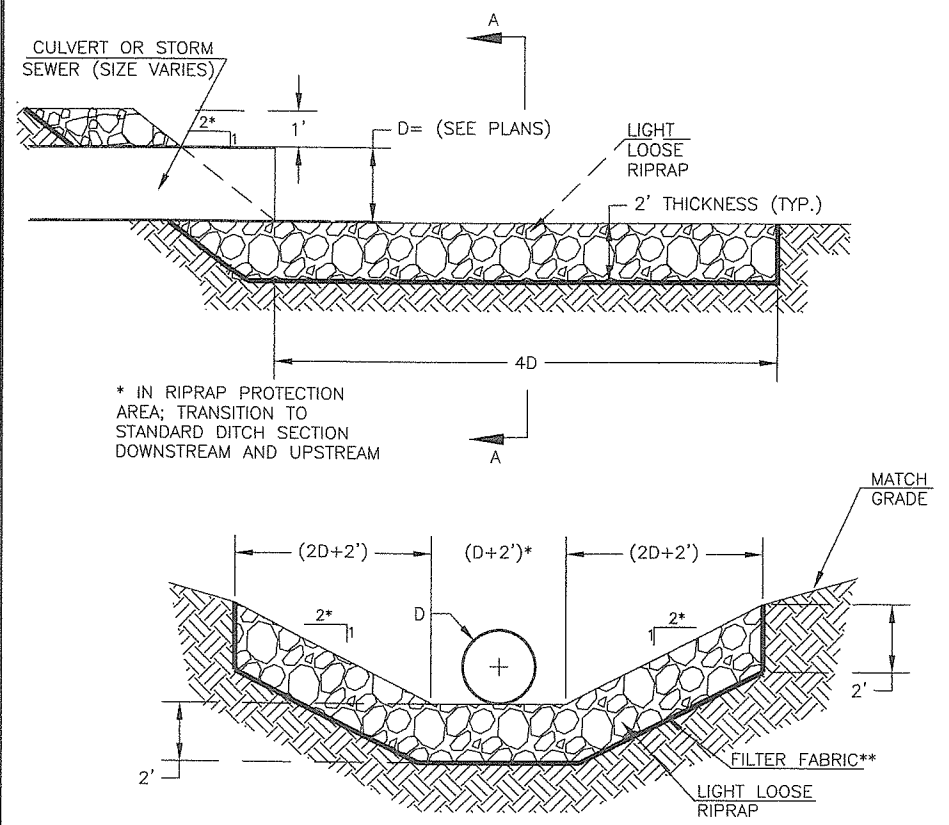
**CULVERT CROSSING NE 244TH STREET  
AND NE HEISSON ROAD (STA 15+49)**

NTS



**DRIVEWAY CULVERT WEST OF NE HEISSON ROAD**

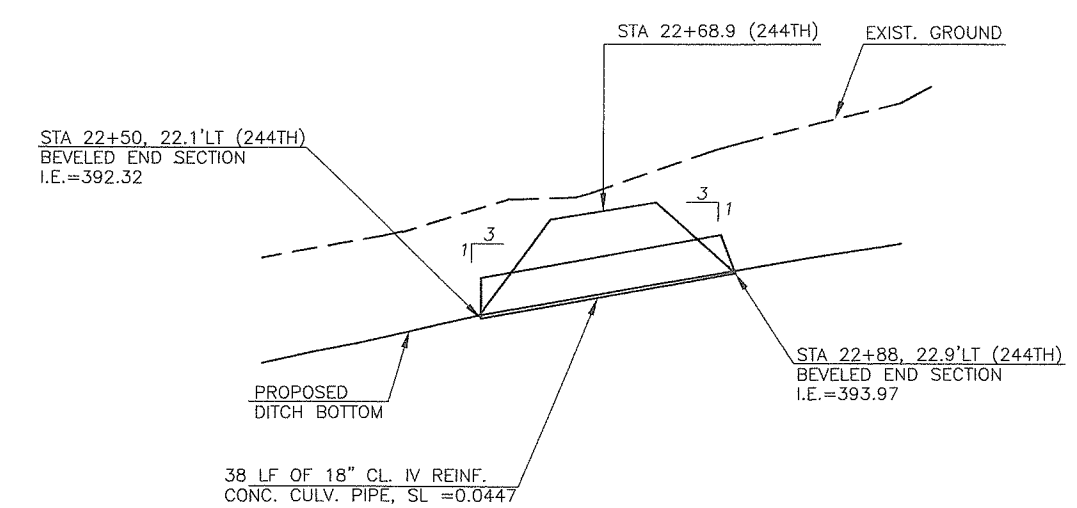
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**SECTION A-A**

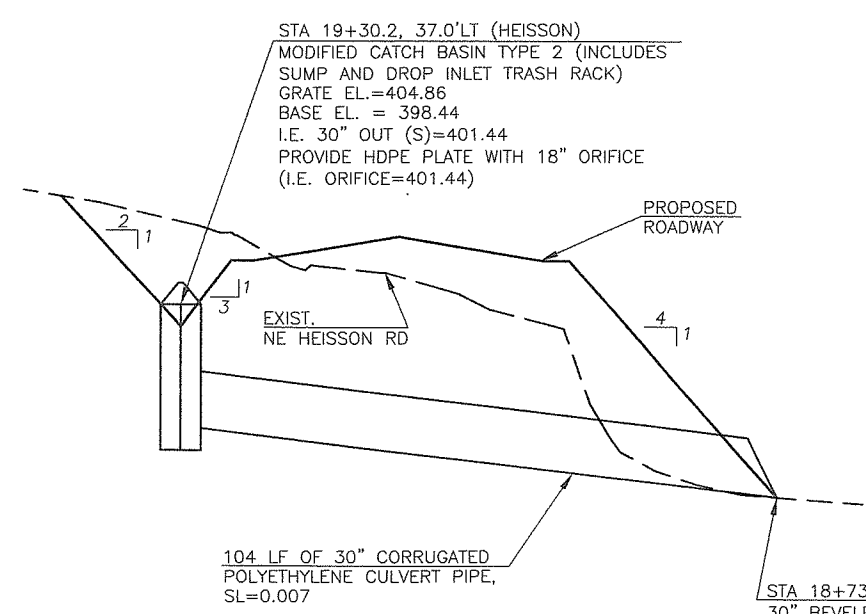
**RIPRAP PROTECTION**

NTS



**DRIVEWAY CULVERT NORTH OF NE 244TH STREET**

NTS



**CULVERT CROSSING NE HEISSON RD  
EAST OF NE 162ND AVE (STA 19+05)**

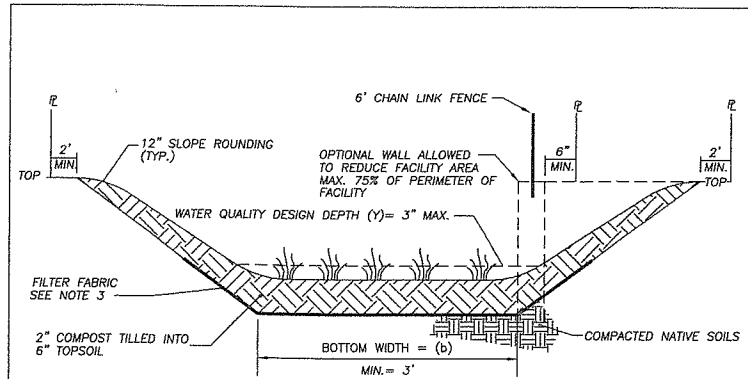
NTS

DESIGNED	TP
DRAWN	RK
CRP	330722
HOR.	SEE SHEET
VERT.	SEE SHEET
DATE	06/12/06
DWG.	DD1
SHEET	9 OF 18

ENGINEERING PROGRAM  
DESIGN SECTION  
NE HEISSON ROAD  
DRAINAGE DETAILS

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WET/TREATMENT AREA SEED MIX			DRY/UPPER SIDE SLOPE AREA SEED MIX		
SCIENTIFIC NAME	COMMON NAME	%	SCIENTIFIC NAME	COMMON NAME	%
Festuca arundinacea	Tall Fescue	30	Bromus carinatus	California Brome	20
Elymus glaucus	Blue Wildrye	25	Elymus glaucus	Blue Wildrye	20
Festuca rubra	Native Red Fescue	10	Festuca rubra	Native Red Fescue	50
Juncus tenuis	Slender Rush	10	Lupinus polyphyllus	Large-leaf Lupine	10
Scirpus microcarpus	Small-fruited Bulrush	25			

\*% MIXTURE BY PURE LIVE SEED (PLS)  
Hydroseed application rate: 4.5 lbs./Ac.  
Broadcast application rate: 6 lbs./Ac.

NOTE: IF BIOSWALE IS INSTALLED DURING A PERIOD OF WET WEATHER, IT CAN BE ESTABLISHED BY SOODING. SINCE SOD IS NOT AVAILABLE IN RECOMMENDED GRASSES, IT SHOULD BE OVER SOWN WITH A RECOMMENDED MIX AT THE BEGINNING OF THE GROWING SEASON. IT IS RECOMMENDED TO INSTALL A SOD THAT IS A MIX OF CREEPING FESCUE AND HARD & SHEEP FESCUES.

#### NOTES

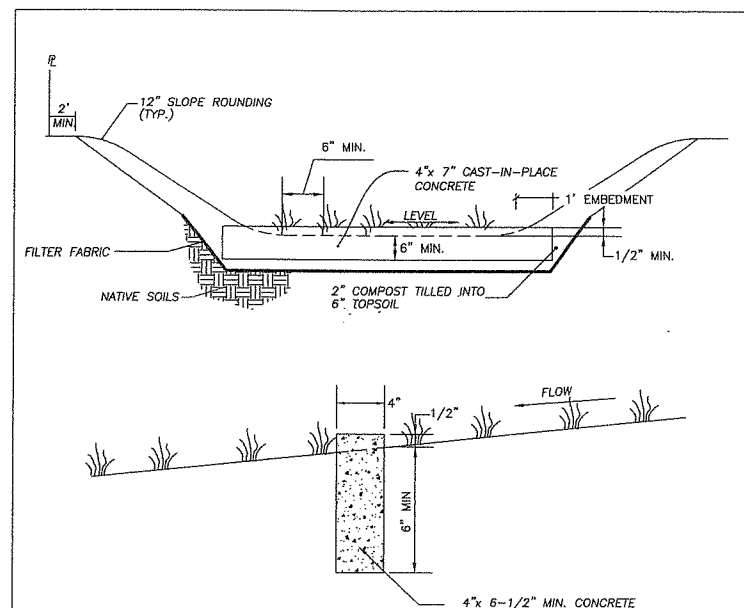
1. THE DESIGN OF WATER QUALITY FACILITIES SHALL MEET THE STANDARD AS SET FORTH IN CCC13.29.
2. SOD SHALL BE LAID PERPENDICULAR TO SLOPE FROM BOTTOM TO TOP, WITH JOINTS STAGGERED.
3. FOR NATIVE SOILS WITH CLASSIFICATIONS A-1-a, A-1-b, A-3, A-2-4, AND A-2-5 AS DEFINED IN AASHTO SPEC. M145, INSTALL LINQ TYPAR-3401 FILTER FABRIC OR EQUIVALENT WITH PERMEABILITY RATE OF 0.5 TO 2.4 INCHES/HOUR.
4. SWALE LONGITUDINAL SLOPE: 1%-4% MAX. UNDERDRAINS REQUIRED FOR SLOPES LESS THAN 1%, SEE STANDARD PLAN D11.3
5. SWALE SHALL HAVE A VIABLE STAND OF GRASS APPROVED BY THE COUNTY INSPECTOR PRIOR TO PAVING.

Department of Public Works  
CLARK COUNTY  
WASHINGTON  
proud past, promising future

APPROVED: *Peter Capen*  
COUNTY ENGINEER

DATE: 01/01/04

STANDARD D11.2  
PLAN No. DESIGNED SCH. DRAWN SCH. DATE 07/07/03



#### NOTES

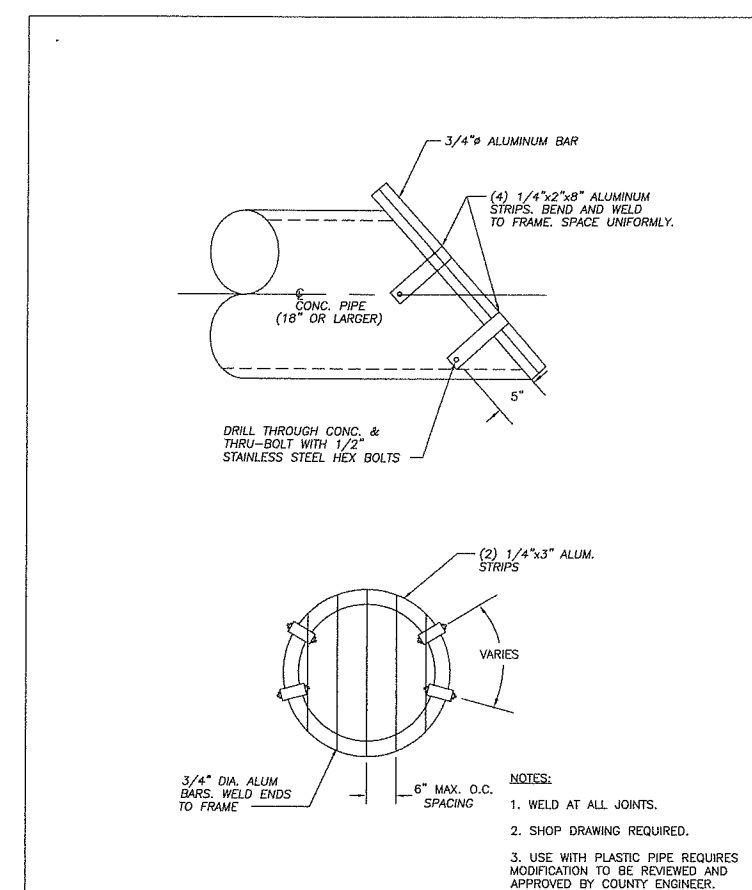
1. LEVEL SPREADERS SHALL BE INSTALLED AT SWALE MIDPOINT FOR SHORT SWALE LENGTHS OF ±100, AND AT A MINIMUM INTERVAL OF 50', TO KEEP THE FLOWS FROM CONCENTRATING. THE SPREADER SHALL BE INSTALLED LEVEL AND ON CONTOUR.
2. CONCRETE SPREADER SHALL BE CAST-IN-PLACE. TOP OF SPREADER SHALL BE BROOM FINISHED IN THE DIRECTION OF FLOW.

Department of Public Works  
CLARK COUNTY  
WASHINGTON  
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APPROVED: *Peter Capen*  
COUNTY ENGINEER

DATE: 01/01/04

STANDARD D11.4  
PLAN No. DESIGNED SCH. DRAWN SCH. DATE 07/07/03



#### NOTES

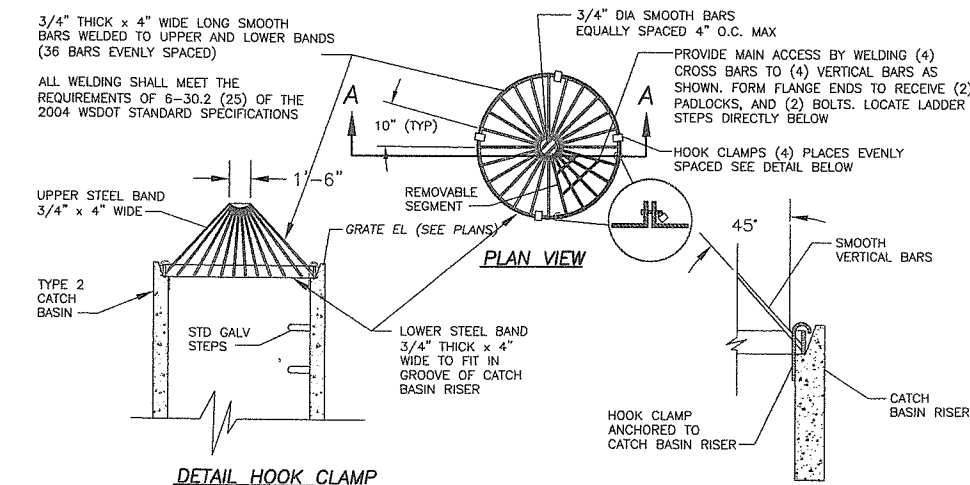
1. WELD AT ALL JOINTS.
2. SHOP DRAWING REQUIRED.
3. USE WITH PLASTIC PIPE REQUIRES MODIFICATION TO BE REVIEWED AND APPROVED BY COUNTY ENGINEER.

Department of Public Works  
CLARK COUNTY  
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APPROVED: *Peter Capen*  
COUNTY ENGINEER

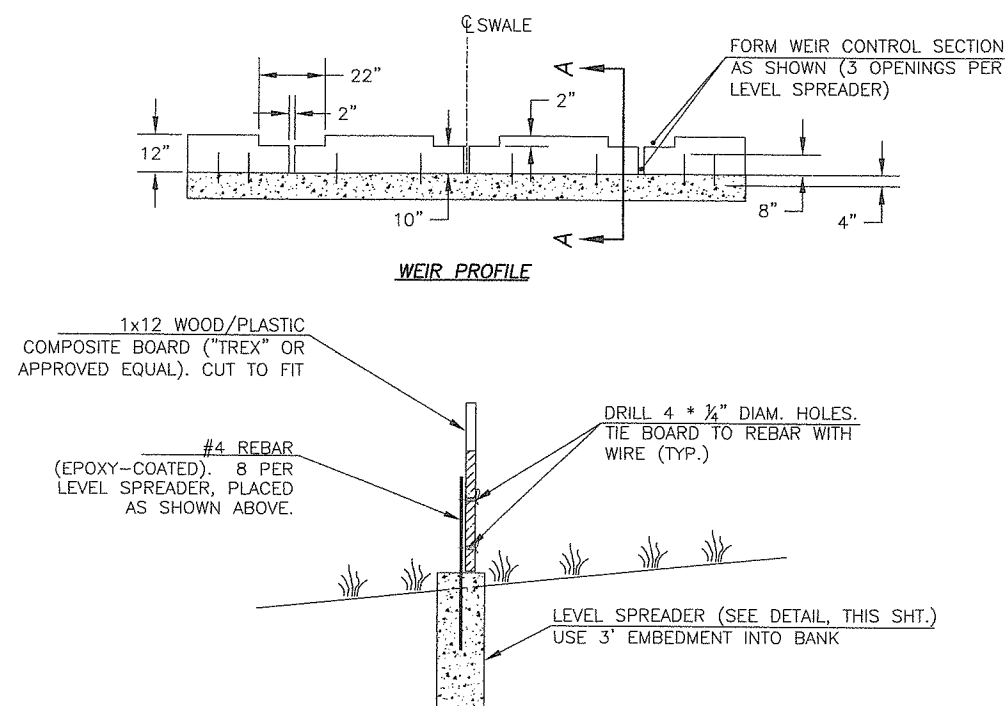
DATE: 01/01/04

STANDARD D25  
PLAN No. DESIGNED SCH. DRAWN SCH. DATE 10/04/03



DETAIL HOOK CLAMP

DROP INLET TRASH RACK  
NTS

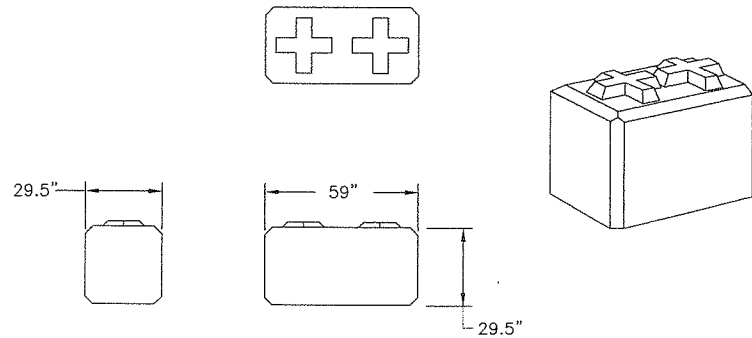
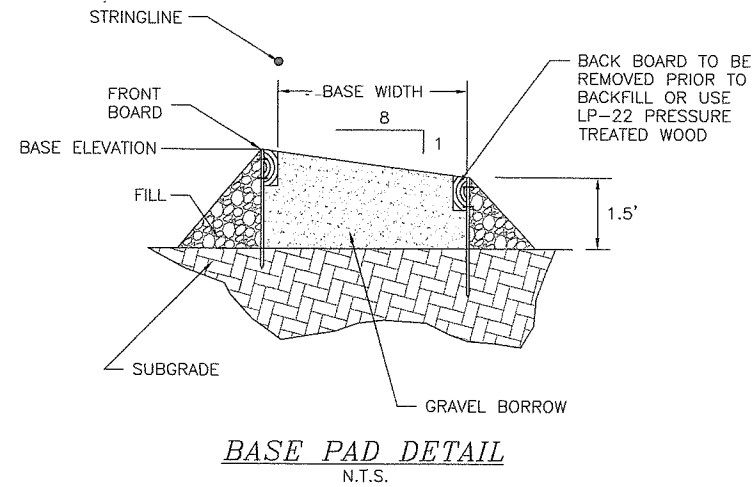
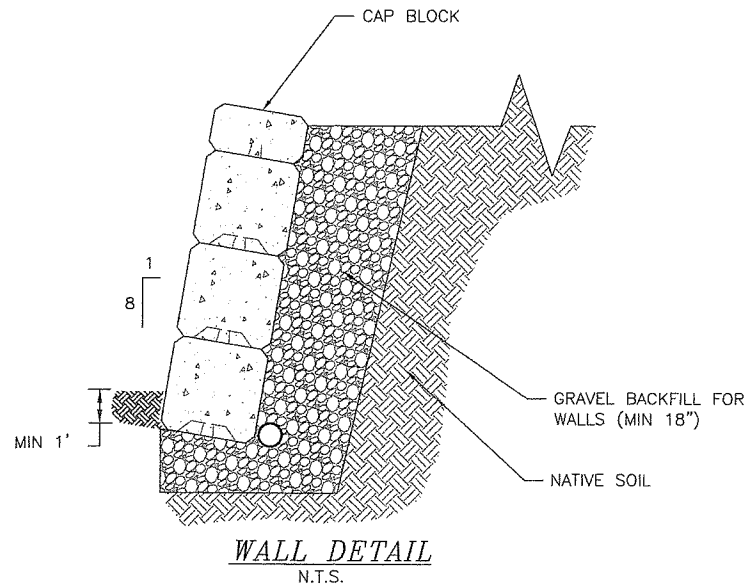
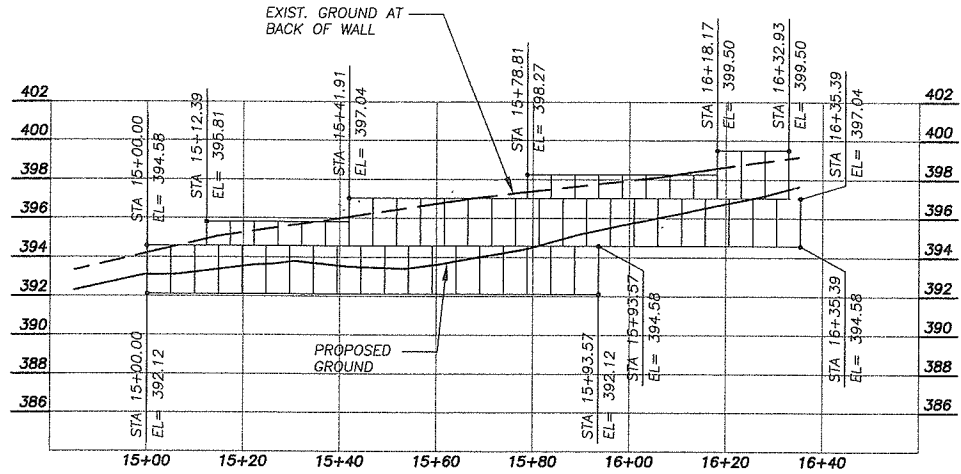


WEIR PROFILE

SECTION A-A

SWALE WEIR DETAIL  
NTS

## ENGINEERING PROGRAM DESIGN SECTION NE HEISSON ROAD DRAINAGE DETAILS



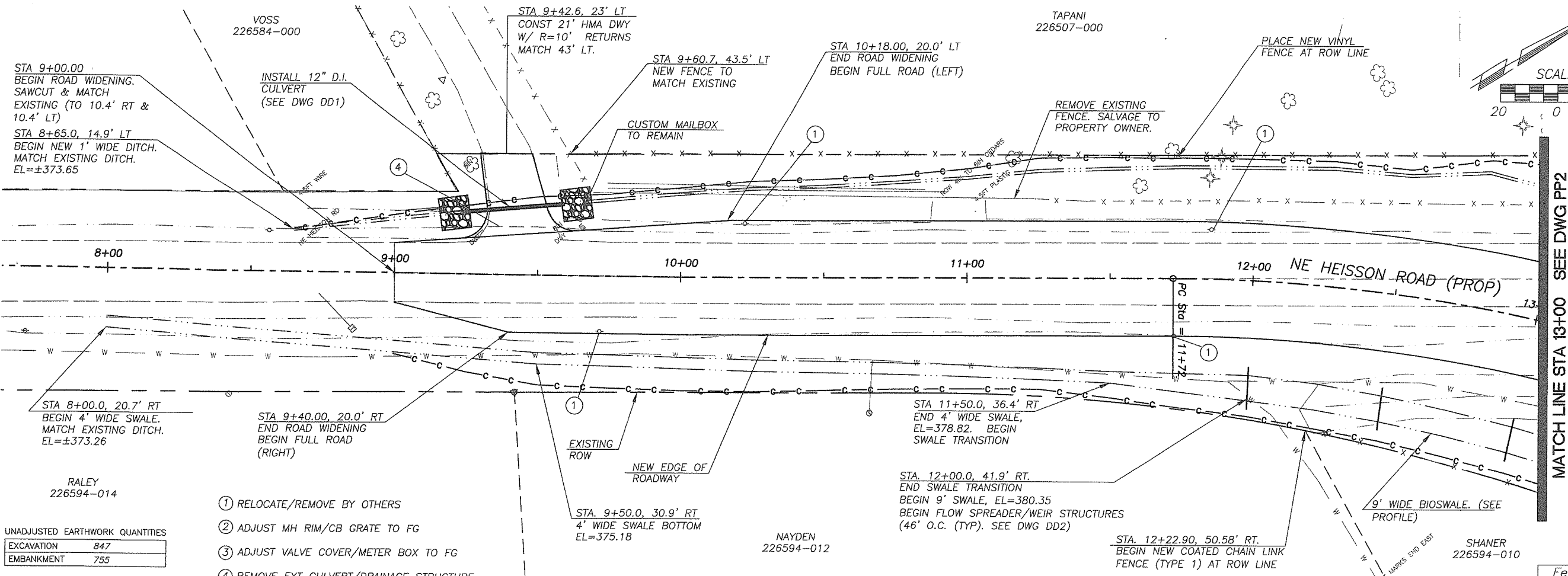
TYPICAL BLOCK DETAIL  
N.T.S.

DESIGNED	TP
DRAWN	RK
CRP	330722
HOR.	SEE SHEET
VERT.	SEE SHEET
DATE	06/12/06
DWG.	W01
SHEET	11 OF 18

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553-4344  
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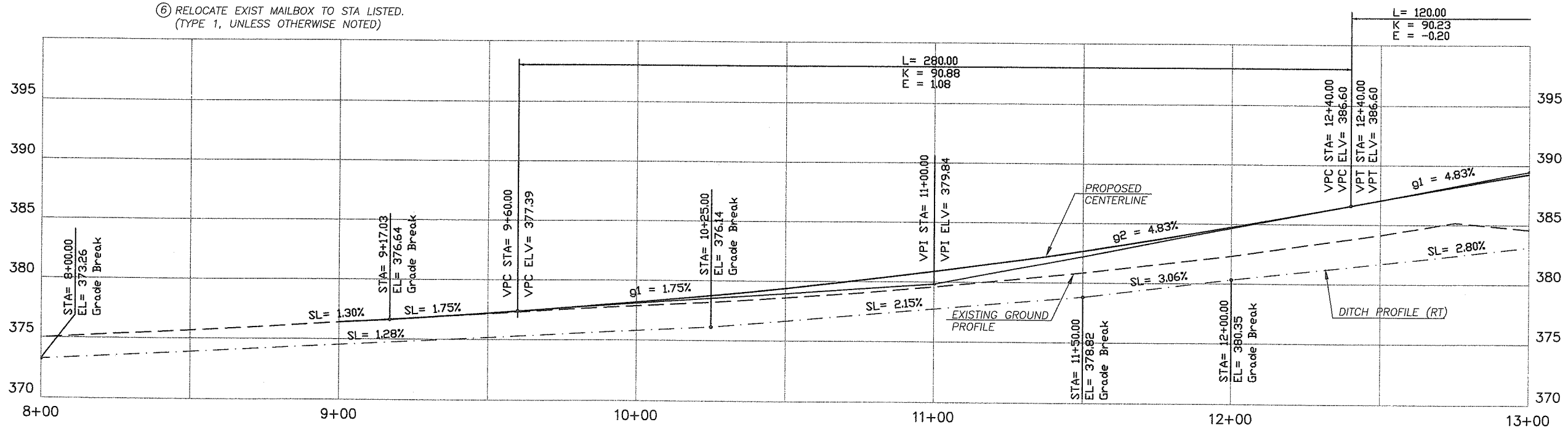
ENGINEERING PROGRAM  
DESIGN SECTION  
NE HEISSON ROAD  
WALL AND WALL DETAILS



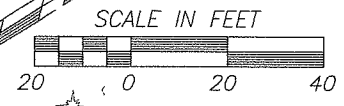
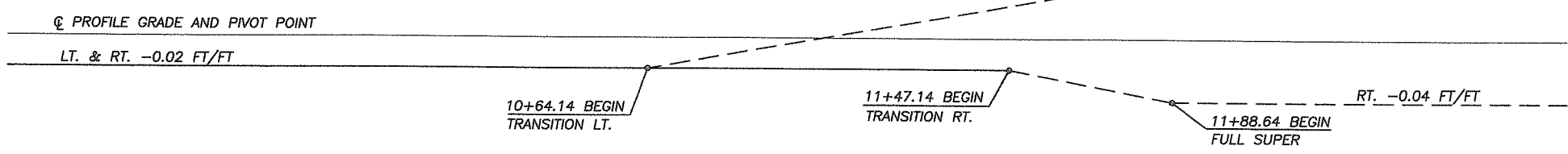
UNADJUSTED EARTHWORK QUANTITIES

EXCAVATION	847
EMBANKMENT	755

- ① RELOCATE/REMOVE BY OTHERS
- ② ADJUST MH RIM/CB GRATE TO FG
- ③ ADJUST VALVE COVER/METER BOX TO FG
- ④ REMOVE EXT CULVERT/DRAINAGE STRUCTURE
- ⑤ SAWCUT AND/OR MATCH EXT CURB AND/OR S/W.
- ⑥ RELOCATE EXIST MAILBOX TO STA LISTED. (TYPE 1, UNLESS OTHERWISE NOTED)



SUPERELEVATION DIAGRAM



MATCH LINE STA 13+00 SEE DWG PP2

Fed. Aid No.  
STPR-J065(001)

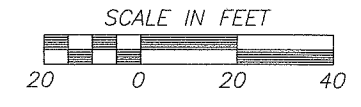
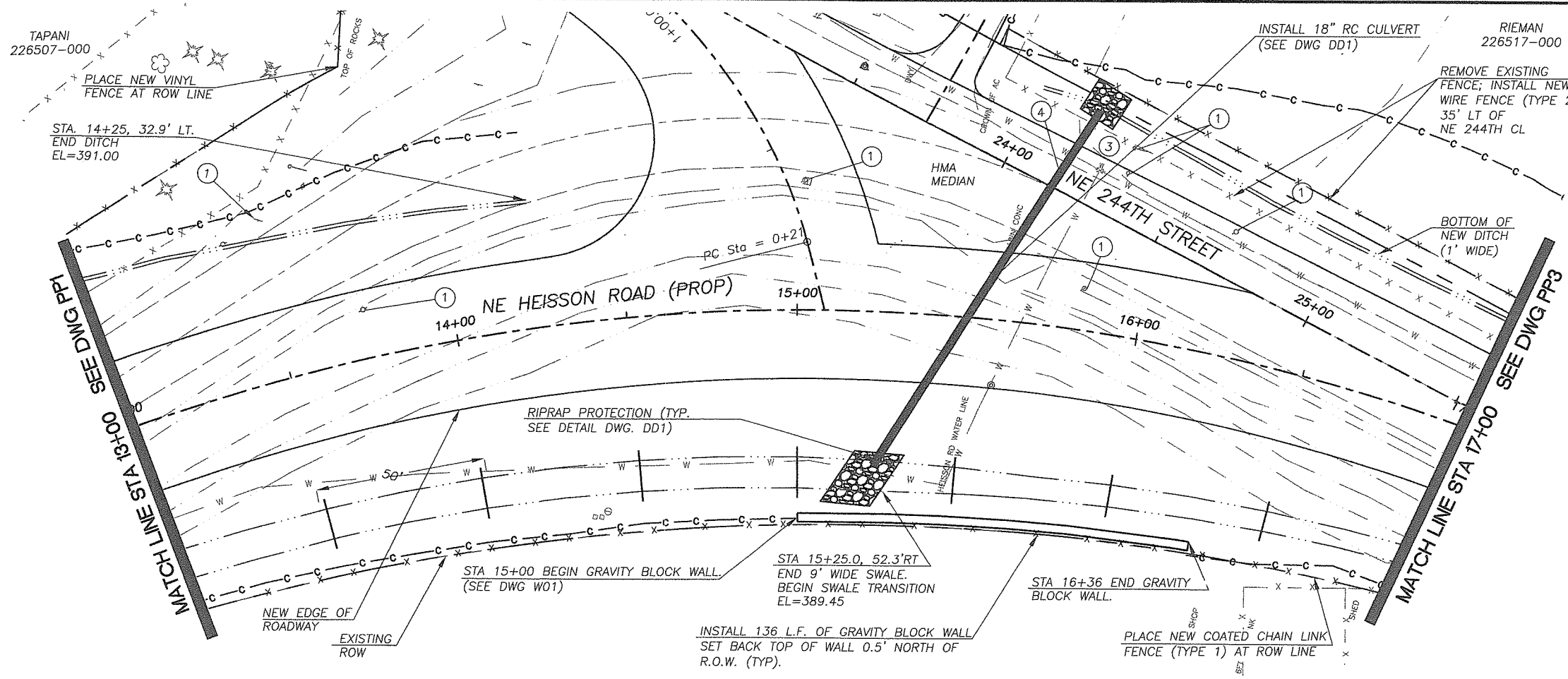
ENGINEERING PROGRAM  
DESIGN SECTION

NE HEISSON ROAD  
PLAN AND PROFILE (B.O.P. TO STA 13+00)

DESIGNED TP  
DRAWN RK  
CRP 330722  
HOR. SEE SHEET  
VERT. SEE SHEET  
DATE 06/12/06  
DWG: PP1  
SHEET 12 OF 18

CALL 48 HOURS BEFORE YOU DIG  
1-800-553-4344  
"It's the Law"

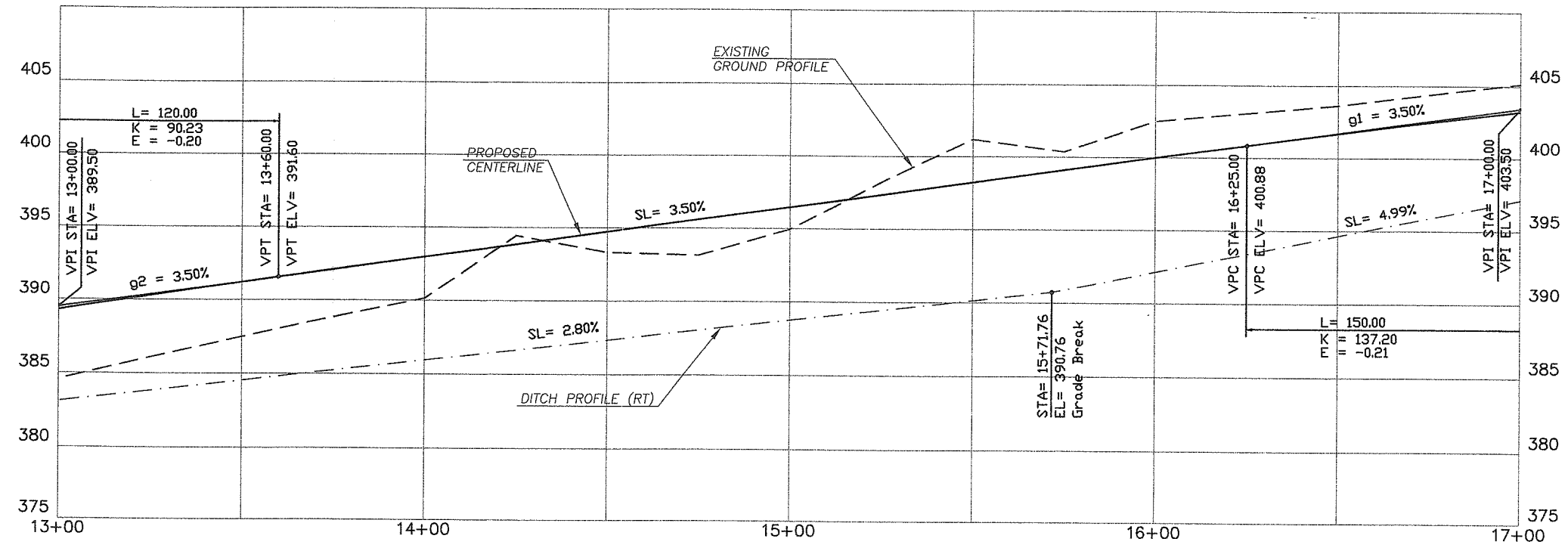
CLARK COUNTY  
WASHINGTON  
proud part, promising future



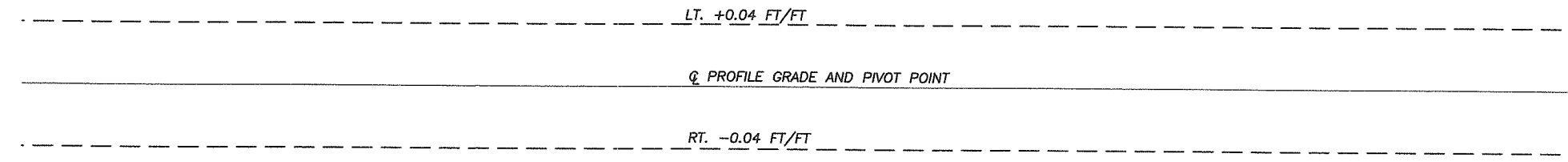
UNADJUSTED EARTHWORK QUANTITIES

EXCAVATION	2937
EMBANKMENT	435

HEISSON ONLY



SUPERELEVATION DIAGRAM



- ① RELOCATE/REMOVE BY OTHERS
- ② ADJUST MH RIM/CB GRATE TO FG
- ③ ADJUST VALVE COVER/METER BOX TO FG
- ④ REMOVE EXT CULVERT/DRAINAGE STRUCTURE
- ⑤ SAWCUT AND/OR MATCH EXT CURB AND/OR S/W.
- ⑥ RELOCATE EXIST MAILBOX TO STA LISTED. (TYPE 1, UNLESS OTHERWISE NOTED)

Fed. Aid No.  
STPR-J065(001)

DESIGNED TP

DRAWN RK

CRP 330722

HOR. SEE SHEET

VERT. SEE SHEET

DATE 06/12/06

DWG. PP2

SHEET 13 OF 18

ENGINEERING PROGRAM

DESIGN SECTION

NE HEISSON ROAD

PLAN AND PROFILE (STA 13+00 TO STA 17+00)

CALL 48 HOURS BEFORE YOU DIG

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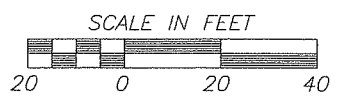
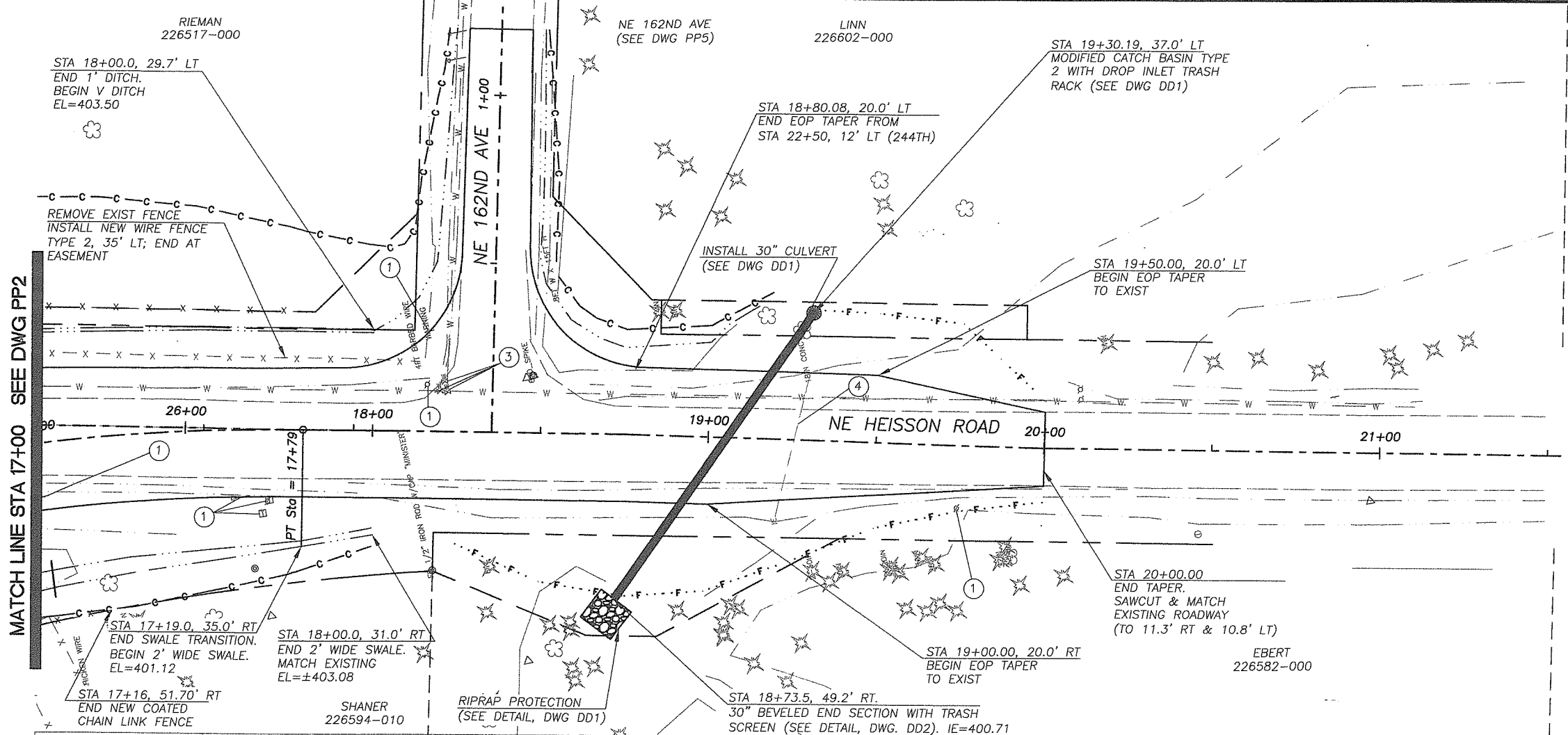
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EXP. JAN. 1, 2008

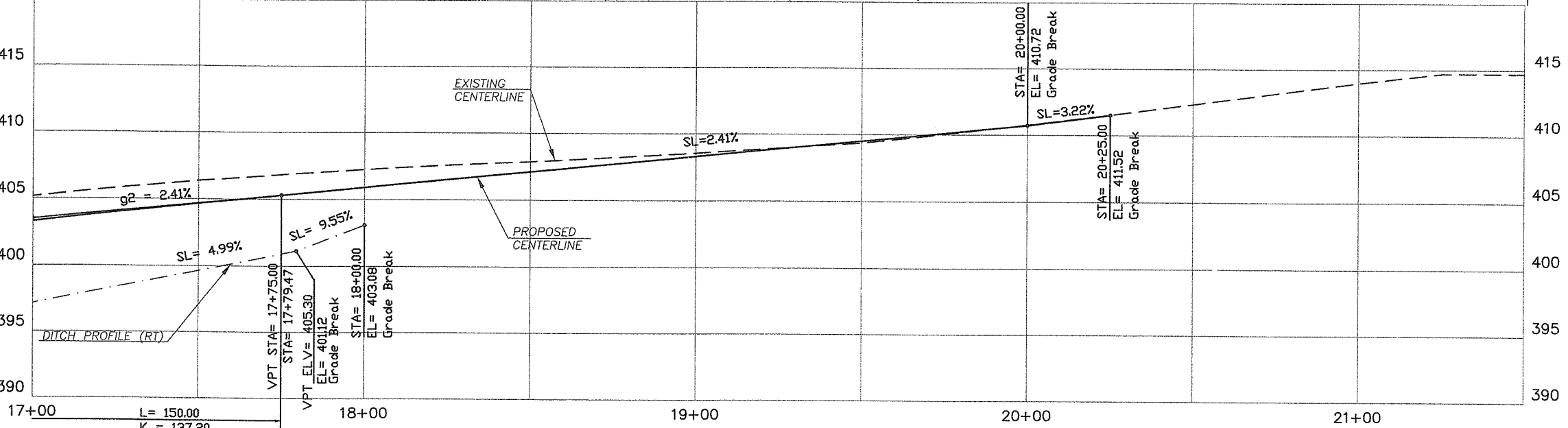


- ① RELOCATE/REMOVE BY OTHERS
- ② ADJUST MH RIM/CB GRATE TO FG
- ③ ADJUST VALVE COVER/METER BOX TO FG
- ④ REMOVE EXT CULVERT/DRAINAGE STRUCTURE
- ⑤ SAWCUT AND/OR MATCH EXT CURB AND/OR S/W.
- ⑥ RELOCATE EXIST MAILBOX TO STA LISTED. (TYPE 1, UNLESS OTHERWISE NOTED)

UNADJUSTED EARTHWORK QUANTITIES

EXCAVATION	2279
EMBANKMENT	335

HEISSON ONLY



SUPERELEVATION DIAGRAM

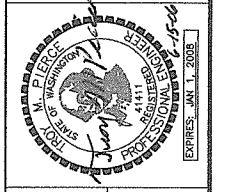
Q PROFILE GRADE AND PIVOT POINT

LT. & RT. -0.02 FT/FT

Fed. Aid No.  
STPR-J065(001)

DESIGNED TP  
DRAWN RK  
CRP 330722  
HOR. SEE SHEET  
VERT. SEE SHEET  
DATE 06/12/06  
DWG: PP3  
SHEET 14 OF 18

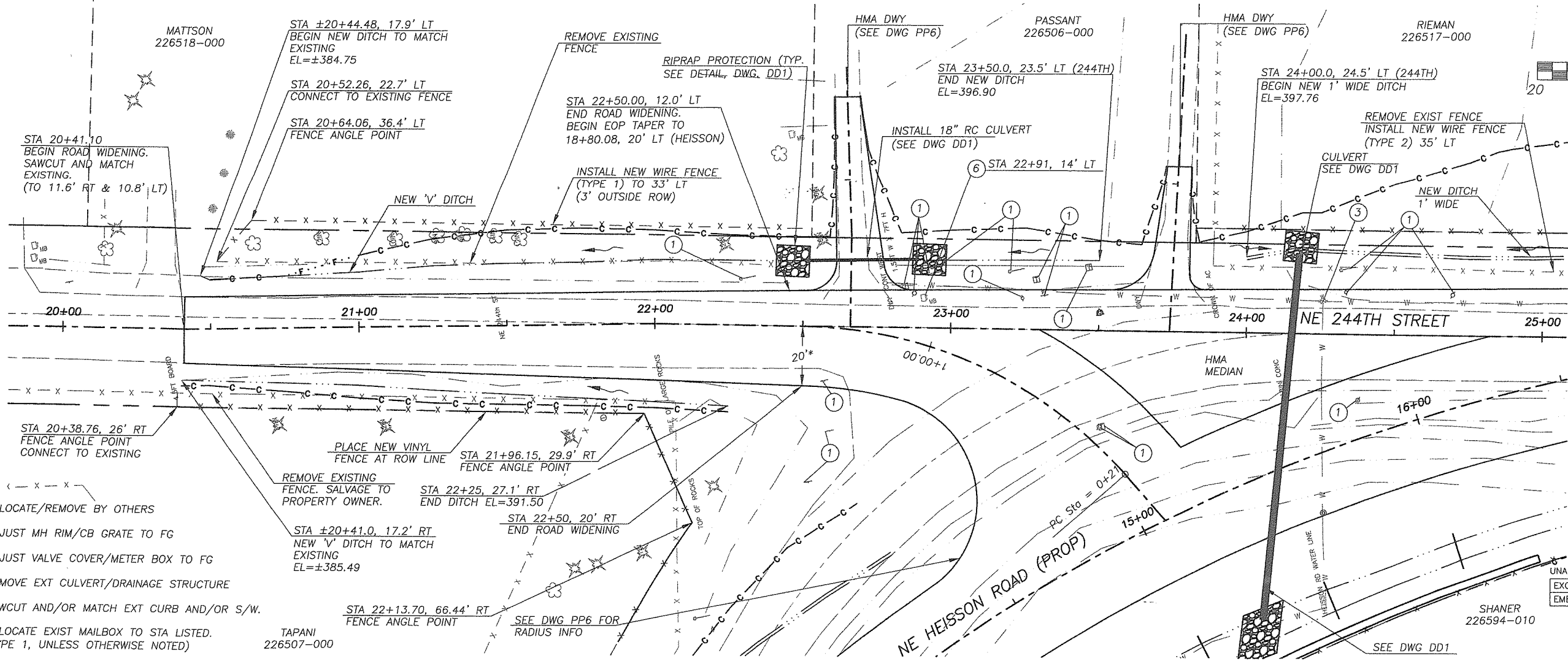
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ENGINEERING PROGRAM  
DESIGN SECTION  
NE HEISSON ROAD  
PLAN AND PROFILE (STA 17+00 TO E.O.P.)

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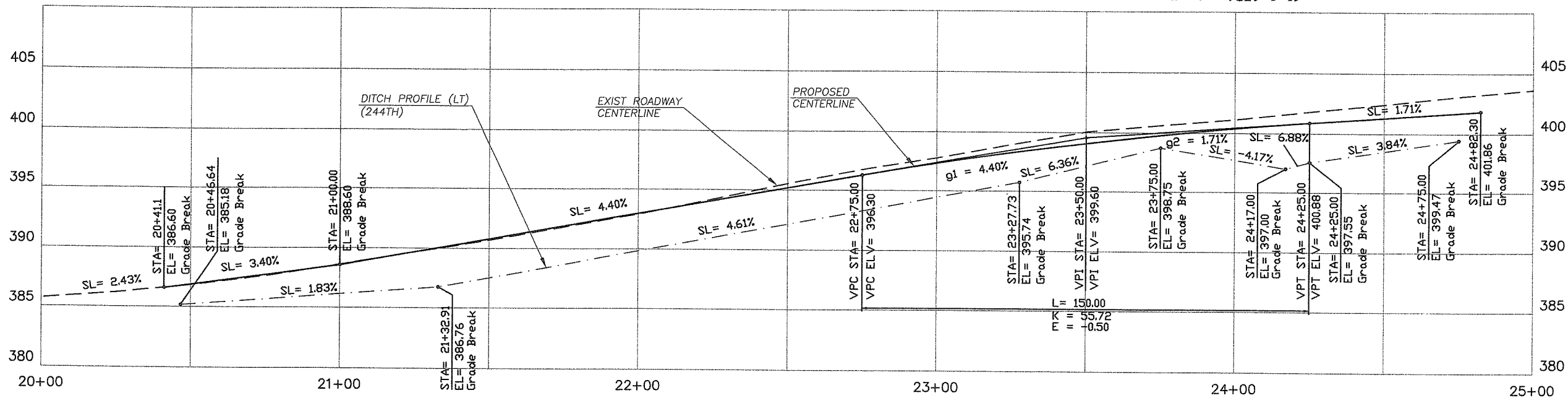




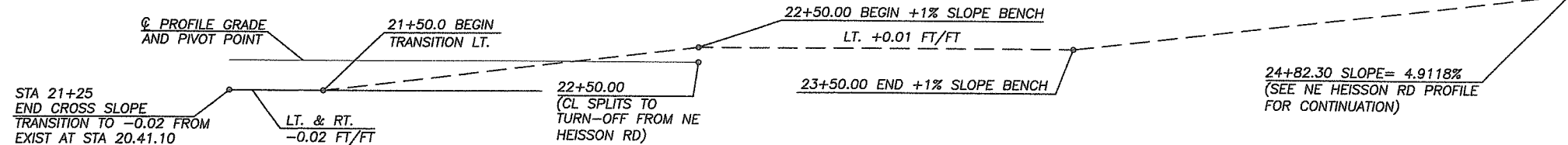
- ① RELOCATE/REMOVE BY OTHERS
- ② ADJUST MH RIM/CB GRATE TO FG
- ③ ADJUST VALVE COVER/METER BOX TO FG
- ④ REMOVE EXT CULVERT/DRAINAGE STRUCTURE
- ⑤ SAWCUT AND/OR MATCH EXT CURB AND/OR S/W.
- ⑥ RELOCATE EXIST MAILBOX TO STA LISTED. (TYPE 1, UNLESS OTHERWISE NOTED)

TAPANI  
226507-000

UNADJUSTED EARTHWORK QUANTITIES	
EXCAVATION	2071
EMBANKMENT	53



SUPERELEVATION DIAGRAM



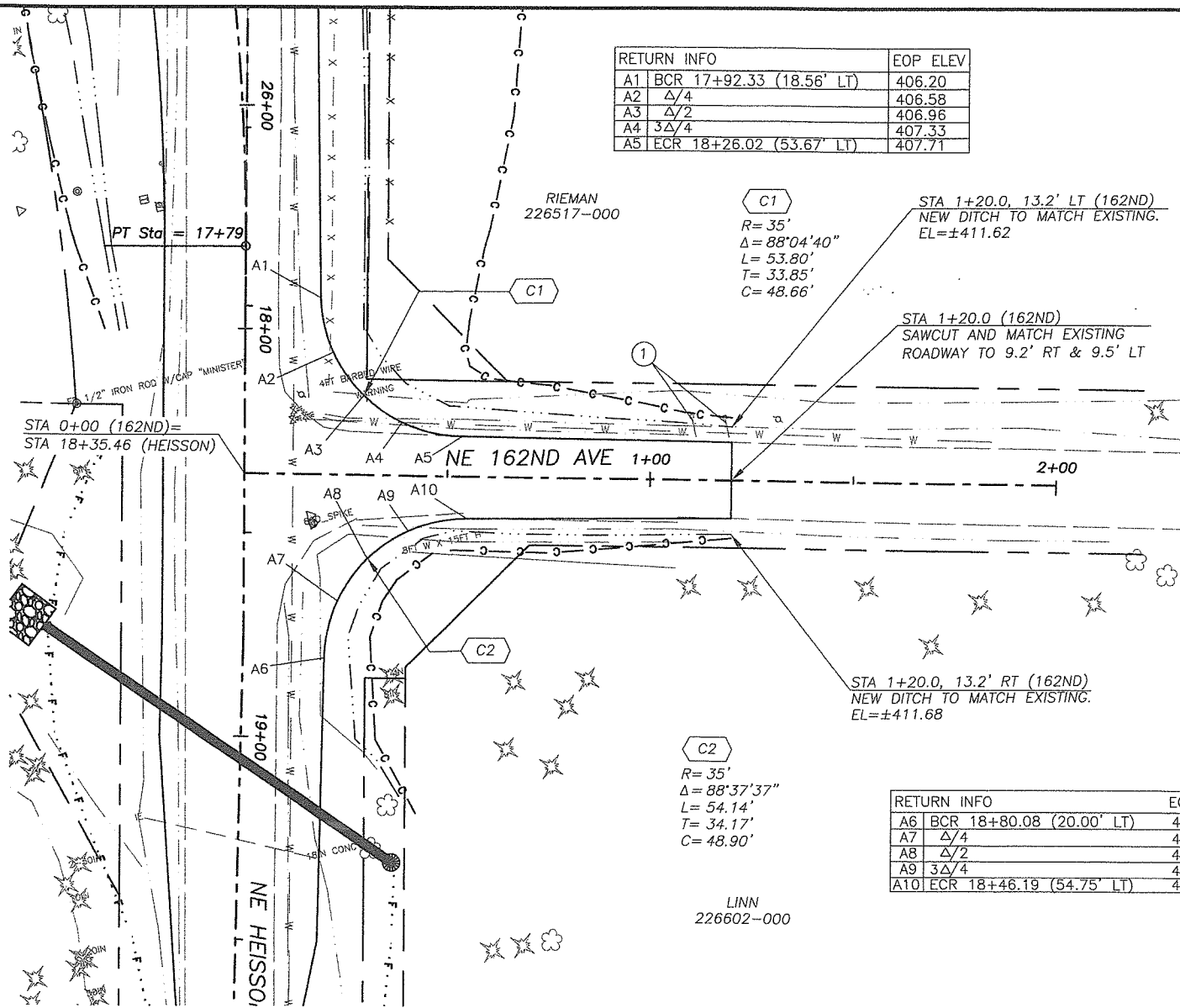
Fed. Aid No.  
STPR-J065(001)

DESIGNED TP  
DRAWN RK  
CRP 330722  
HOR. SEE SHEET  
VERT. SEE SHEET  
DATE 06/12/06  
DWG: PP4  
SHEET 15 OF 18

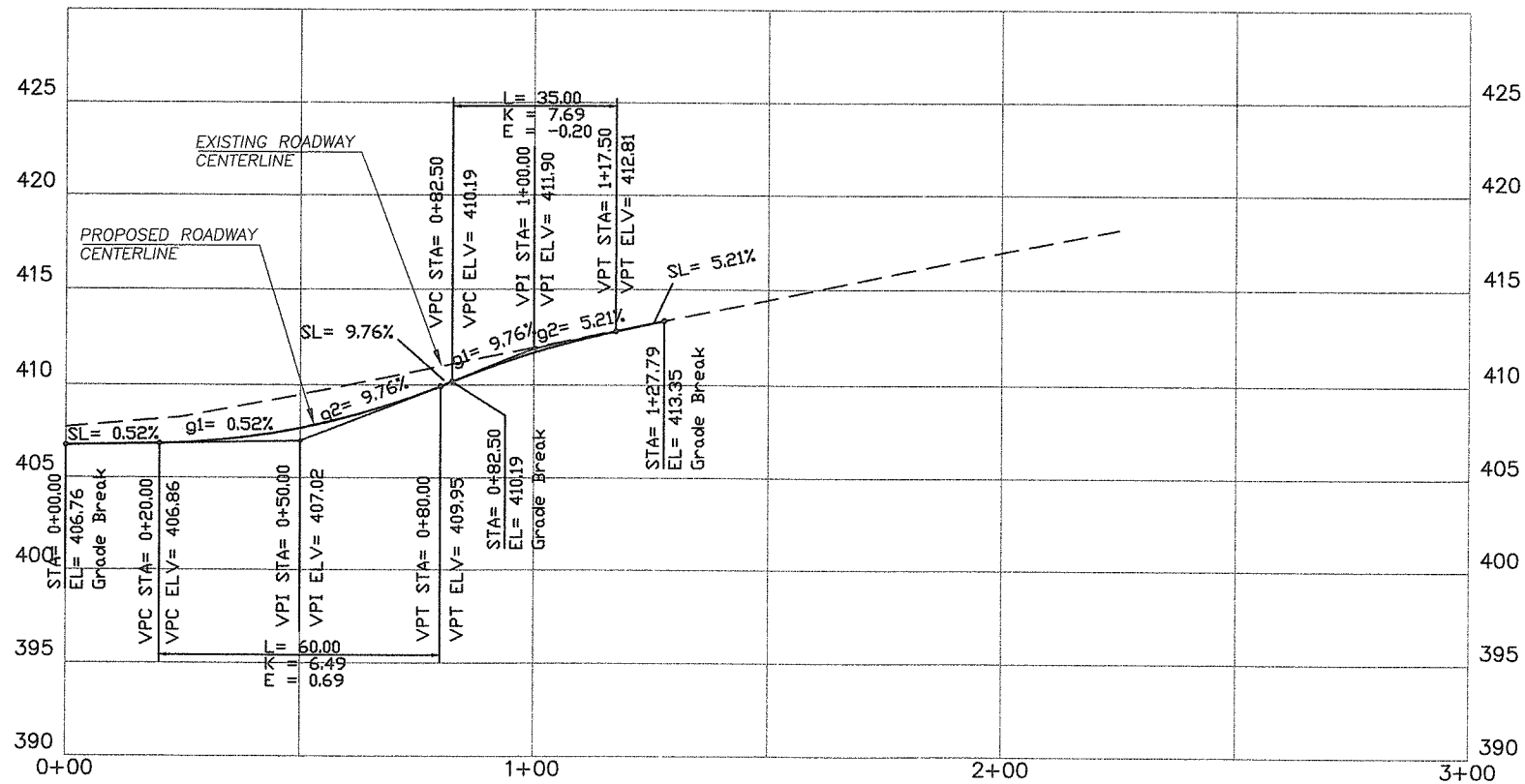
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"It's the Low"  
NORTHWEST UTILITIES  
NOTIFICATION CENTER

ENGINEERING PROGRAM  
DESIGN SECTION  
NE HEISSON ROAD  
PLAN AND PROFILE (NE 244TH STREET)

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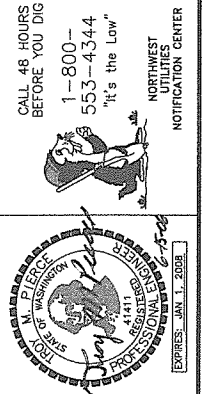


RETURN INFO	EOP ELEV
A6 BCR 18+80.08 (20.00' LT)	407.54
A7 Δ/4	407.60
A8 Δ/2	407.66
A9 3Δ/4	407.72
A10 ECR 18+46.19 (54.75' LT)	407.78

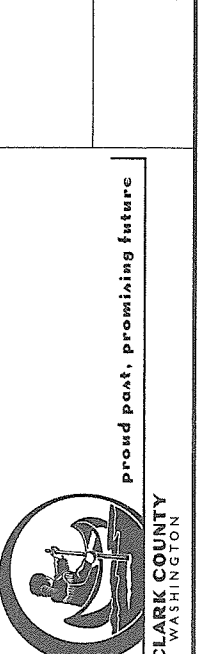


Fed. Aid No.  
STPR-J065(001)

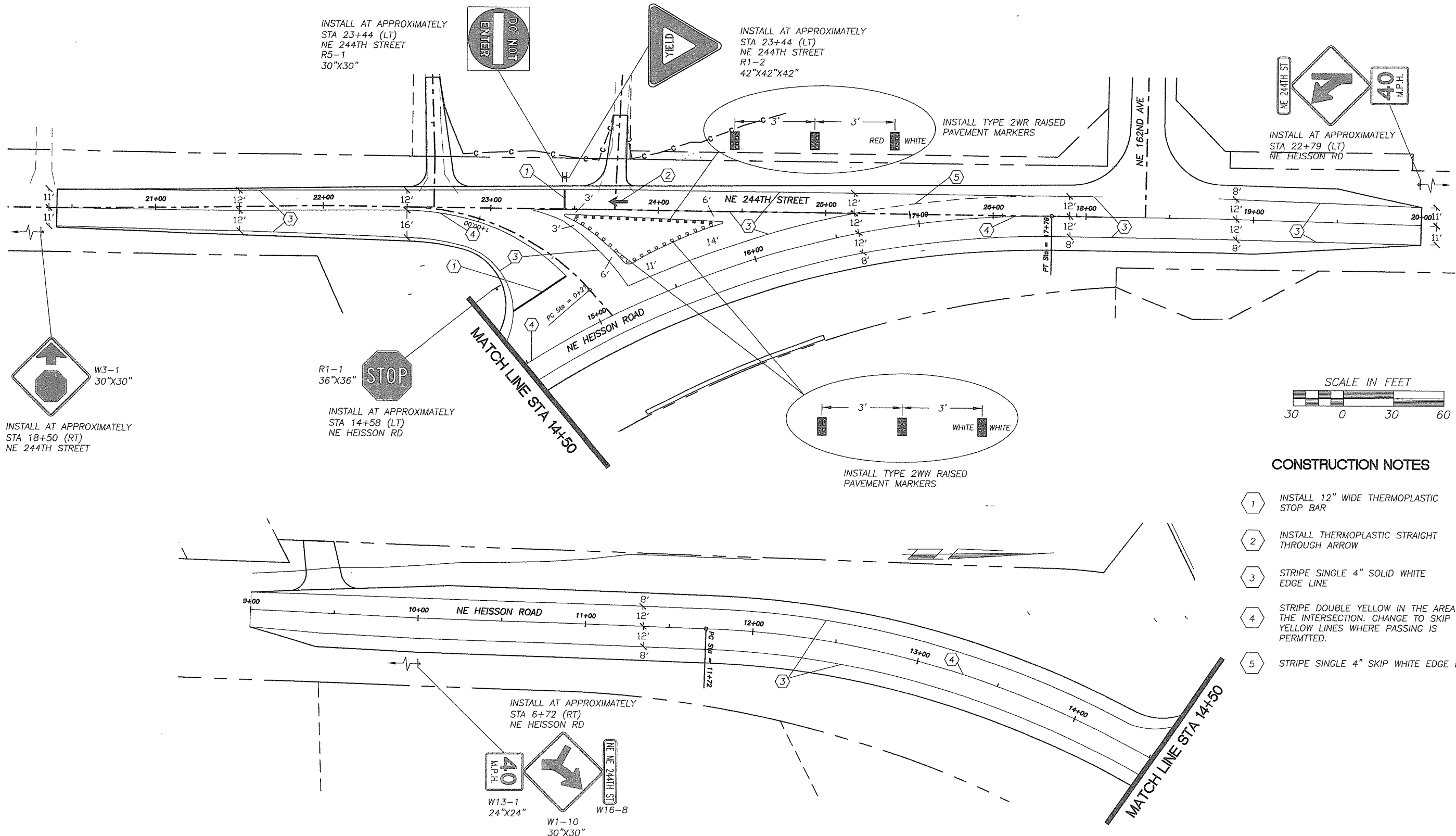
DESIGNED TP  
DRAWN RK  
CRP 330722  
HOR. SEE SHEET  
VERT. SEE SHEET  
DATE 06/12/06  
DWG. PP5  
SHEET 16 OF 18



ENGINEERING PROGRAM  
DESIGN SECTION  
NE HEISSON ROAD  
PLAN AND PROFILE (NE 162ND AVE)







**CONSTRUCTION NOTES**

- 1 INSTALL 12" WIDE THERMOPLASTIC STOP BAR
- 2 INSTALL THERMOPLASTIC STRAIGHT THROUGH ARROW
- 3 STRIPE SINGLE 4" SOLID WHITE EDGE LINE
- 4 STRIPE DOUBLE YELLOW IN THE AREA OF THE INTERSECTION. CHANGE TO SKIP YELLOW LINES WHERE PASSING IS PERMITTED.
- 5 STRIPE SINGLE 4" SKIP WHITE EDGE LINE

Fed. Aid No.  
STPR-J065(001)

DESIGNED	EB
DRAWN	RK
CRP	330722
HOR. SEE SHEET	1-800-553-4344
VERT. SEE SHEET	"It's the Low"
DATE	06/12/06
DWG.	SS1
SHEET	18 OF 18

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